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FACTOR G RENEW

Despierta el colágeno de la piel

NANOTECH

PIEL FIRME Y ELÁSTICA

FACTOR G RENEW **DESPIERTA EL COLÁGENO DE LA PIEL**

NICOTIANA BENTHAMIANA

PÉPTIDOS DE ORIGEN 100% VEGETAL

Sesderma obtiene estas proteínas replicando una secuencia homóloga a la humana en la *Nicotiana benthamiana.*

Los encapsula en burbujas lipídicas para lograr atravesar la barrera de la piel y alcanzar las células diana (fibroblastos y queratinocitos).

Estimula actividad y proliferación celular

MULTIPLICA
el colágeno y la elastina

OTROS BENEFICIOS DE LOS PÉPTIDOS DE NICOTIANA BENTHAMIANA EN LA PIEL:

REFUERZA EL **SOSTÉN DE LA PIEL**

REDUCE EL **FOTOENVEJECIMIENTO**

ACCIÓN **ANTIOXIDANTE**

MULTIPLICA LAS **PROTEÍNAS**

RENOVACIÓN DE LA **EPIDERMIS**

UNIFICA EL TONO DE LA PIEL

ACCIÓN **DETOXIFICANTE**

ACCIÓN **REDENSIFICANTE**

SINERGIA DE ACTIVOS

COMPLEJO ANTIOXIDANTE

Activos que previenen la formación de radicales libres frenando la destrucción de fibras de colágeno y elastina.

- ERGOTIONEÍNA
- PTEROSTILBENO
- QUERCETINA
- VITAMINA E

AX

COMPLEJO RENOVADOR

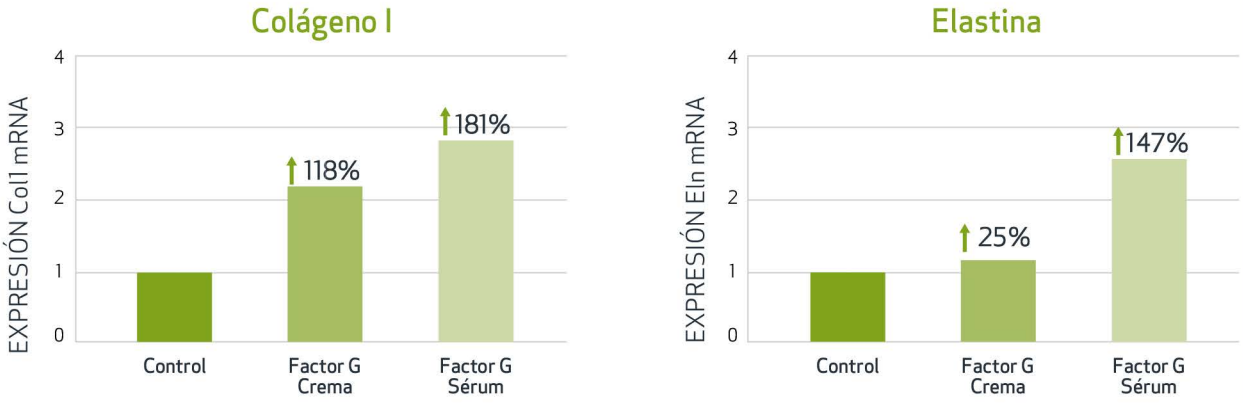
Activos que refuerzan la acción de los péptidos de Nicotiana Benthamiana.

- PÉPTIDOS MIMÉTICOS (TRIPÉPTIDO-5 Y TETRAPÉPTIDO-3)
- CÉLULAS MADRE DE MALUS DOMESTICA
- CENTELLA ASIÁTICA

EFICACIA Y RESULTADOS DEMOSTRADOS

Efecto sobre la expresión génica de Colágeno 1 y Elastina

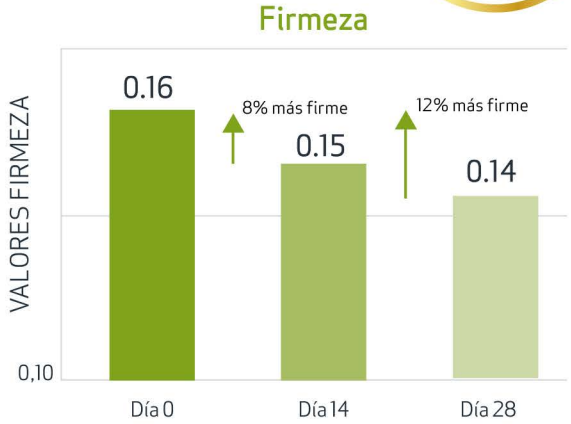
MULTIPLICA x3 Colágeno* y elastina



* Determinación de los efectos sobre la expresión génica de Colágeno 1 (Col1) y Elastina (Eln) de Factor G Renew Sérum y Factor G Renew Crema sobre embriones medaka por PCR cuantitativa durante 28 días. Bionos (Instituto de investigación del Hospital universitario La Fe de Valencia), Abril 2016.

Evaluación del efecto reafirmante in vivo

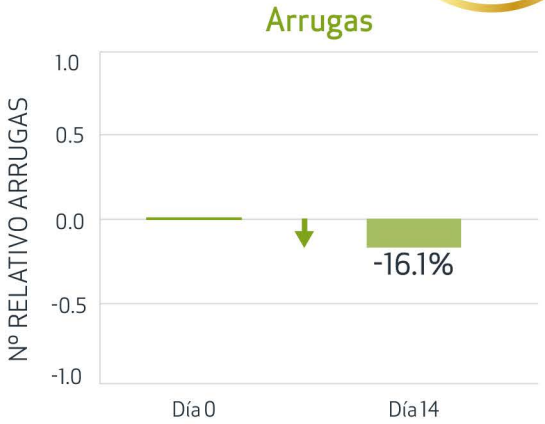
INCREMENTA +12% la firmeza **



** Determinación de la eficacia reafirmante, aceptabilidad, eficacia subjetiva y tolerancia de Factor G Renew Óvalo facial & cuello, realizado con Cutometer® en 20 mujeres entre 40-60 años durante 28 días. Zurzo Research S.L., Abril 2016.

Evaluación del efecto antiarrugas in vivo

REDUCE -16% las arrugas ***



*** Determinación del efecto antiarrugas de Factor G Renew Crema contorno de ojos, realizado con software R en 20 mujeres durante 14 días. Bionos (Instituto de investigación del Hospital universitario La Fe de Valencia), Mayo 2016.

FACTOR G RENEW

DESPIERTA EL COLÁGENO DE LA PIEL

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TRATAMIENTO REAFIRMANTE INTENSIVO

CUIDADO DIARIO

FACTOR G RENEW
Sérum
30 ml

FACTOR G RENEW
Crema
50 ml

CUIDADO ESPECÍFICO

FACTOR G RENEW
Óvalo facial & cuello
50 ml

FACTOR G RENEW
Crema contorno de ojos
15 ml

PRODUCTOS COMPLEMENTARIOS

HIGIENE

SENSYSES CLASSIC
200 ml

CORPORAL

SESNATURA
250 ml

FOTOPROTECCIÓN

REPASKIN
Tacto Seda FPS50
50 ml

BIBLIOGRAFÍA

1. Lal SO, Wolf SE, et al. Growth hormone, burns and tissue healing. Growth Horm IGF Res. 2000; (SuppIB 10): S39-s43
2. Losada F, garcá-Luna PP, et al. 2002. Effects of human recombinant growth hormone on donor-site healing in burned adults. World J Surg; 26:2-8
3. Lee SW, Kim SH, et al 2010. The effect of growth hormone fibroblast proliferation and keratinocyte migration. J Plast Reconstr Aesthet Surg. Apr; 63 (4): e364-9
4. Rasmussen LH, Garbarsch C, et al. 1994. Influence of human growth hormone on granulation tisue formation, collagen deposition, and the aminoterminal propeptide of collagen type III in wound chambers in rats. Wound Rep 2:31-6
5. Priming with proangiogenic growth factors and endothelial progenitor cells improves revascularization in linear diabetic wounds. Ackermann M1, Pabst AM1, Houdek JP1, Ziebart T2, Konerding MA.
6. Ehrlich M., Rao J., Pabby A., Goldman M.P. 2006. Improvement in the appearance of wrinkles with topical transforming growth factor beta1 and 1-ascorbic acid. Dermatol Surg 32: 618-625.
7. Madlener F.A., Werner S. 1996. Transforming growth factors beta1, beta2, and beta3 and their receptors are differentially regulated during normal and impaired wound healing. J Biol Chem 271: 10188-10193
8. Quan T., He T., Kang S., Voorhees J.J., Fisher G.J. 2004. Solar ultraviolet irradiation reduces collagen in photoaged human skin by blocking transforming growth factor-beta type II receptor/smad signaling. Am J Pathol 165: 741-751. Roberts
9. Skin cells and tissue are capable of using L-ergothioneine as an integral component of their antioxidant defense system. Markova NG, Karaman-Jurukovska N, Dong KK, Damaghi N, Smiles KA, Yarosh DB.
10. A comparison of the relative antioxidant potency of L-ergothioneine and idebenone. Dong KK, Damaghi N, Kibitel J, Canning MT, Smiles KA, Yarosh DB.
11. L-Ergothioneine scavenges superoxide and singlet oxygen and suppresses TNF-alpha and MMP-1 expression in UV-irradiated human dermal fibroblasts. J Cosmet Sci. 2005 Jan-Feb;56(1):17-27. Obayashi K, Kurihara K, Okano Y, Masaki H, Yarosh DB.
12. Quantification of L-ergothioneine in human plasma and erythrocytes by liquid chromatography-tandem mass spectrometry. Wang LZ, Thuya WL, Toh DS, Lie MG, Lau JY, Kong LR, Wan SC, Chua KN, Lee EJ, Goh BC. J Mass Spectrom. 2013 Mar; 48 (3):406-12. doi: 10.1002/jms.3150.
13. Kinetics of ergothioneine inhibition of mushroom tyrosinase. Liao WC, Wu WH, Tsai PC, Wang HF, Liu YH, Chan CF. Appl Biochem Biotechnol. 2012 Jan; 166 (2):259-67. doi: 10.1007/s12010-011-9421-x. Epub 2011 Nov 10.
14. Effects of ergothioneine from mushrooms (Flammulina velutipes) on melanosis and lipid oxidation of kuruma shrimp (Marsupenaeus japonicus). Encarnacion AB, Fagutao F, Hirono I, Ushio H, Ohshima T. J Agric Food Chem. 2010 Feb 24; 58 (4):2577-85. doi: 10.1021/jf903944y.
15. Phytother Res. 2014 Mar 9. doi: 10.1002/ptr.5138. Eruca sativa and its Flavonoid Components, Quercetin and Isorhamnetin, Improve Skin Barrier Function by Activation of Peroxisome Proliferator-Activated Receptor (PPAR)-α and Suppression of Inflammatory Cytokines. Kim B1, Choi YE, Kim HS.
16. Pharm Res. 2014 Apr; 31(4):959-68. doi: 10.1007/s11095-013-1215-0. Epub 2013 Dec 3. Topical anti-inflammatory potential of quercetin in lipid-based nanosystems: in vivo and in vitro evaluation. Caddeo C1, Díez-Sales O, Pons R, Fernàndez-Busquets X, Fadda AM, Manconi M.
17. J Photochem Photobiol B. 2013 Oct 5; 127:8-17. doi: 10.1016/j.jphotobiol.2013.07.014. Epub 2013 Jul 20. Quercetin deformable liposome: preparation and efficacy against ultraviolet B induced skin damages in vitro and in vivo. Liu D1, Hu H, Lin Z, Chen D, Zhu Y, Hou S, Shi X.
18. Bioorg Khim. 2012 May-Jun; 38(3):374-81. Study of skin anti-ageing and anti-inflammatory effects of dihydroquercetin, natural triterpenoids, and their synthetic derivatives. Lee CW1, Park NH, Kim JW, Um BH, Shpatov AV, Shults EE, Sorokina IV, Popov SA.
19. J. Photochem Photobiol B. 2012 Sep 3; 114:126-31. doi: 10.1016/j.jphotobiol.2012.05.020. Epub 2012 Jun 5. Quercitrin protects against ultraviolet B-induced cell death in vitro and in an in vivo zebrafish model. Yang HM1, Ham YM, Yoon WJ, Roh SW, Jeon YJ, Oda T, Kang SM, Kang MC, Kim EA, Kim D, Kim KN.
20. Int J Mol Med. 2014 Apr; 33(4):863-9. doi: 10.3892/ijmm.2014.1658. Epub 2014 Feb 13. Quercetin regulates the sestrin 2-AMPK-p38 MAPK signaling pathway and induces apoptosis by increasing the generation of intracellular ROS in a p53-independent manner. Kim GT, Lee SH, Kim JI, Kim YM.
21. Acta Biochim Biophys Sin (Shanghai). 2014 Apr 22. [Epub ahead of print] Flavonoids from tartary buckwheat induce G2/M cell cycle arrest and apoptosis in human hepatoma HepG2 cells. Li Y1, Duan S, Jia H, Bai C, Zhang L, Wang Z.
22. Assessing dose-dependent differences in DNA-damage, p53 response and genotoxicity for quercetin and curcumin. Sun B1, Ross SM, Trask OJ, Carmichael PL, Dent M, White A, Andersen ME, Clewell RA.
23. Asian Pac J Cancer Prev. 2014; 15(3):1163-9. Enhanced antitumor efficacy with combined administration of astragalus and pterostilbene for melanoma.
Huang XY1, Zhang SZ, Wang WX.
24. Curr Pharm Biotechnol. 2014 Jan 12. Pterostilbene as a Potential Novel Telomerase Inhibitor: Molecular Docking Studies and its In Vitro Evaluation. Tippani R, Prakhya LJ, Porika M, Sirisha K, Abbagani S, Thammidala C1.
25. Food Funct. 2012 Nov; 3(11):1185-94. doi: 10.1039/c2fo30105a. Pterostilbene, a natural analogue of resveratrol, potently inhibits 7,12-dimethylbenz[a]anthracene (DMBA)/12-O-tetradecanoylphorbol-13-acetate (TPA)-induced mouse skin carcinogenesis. Tsai ML1, Lai CS, Chang YH, Chen WJ, Ho CT, Pan MH.
26. Mol Nutr Food Res. 2008 Jun; 52 Suppl 1:S62-70. doi: 10.1002/mnfr.200700466. Pterostilbene is equally potent as resveratrol in inhibiting 12-O-tetradecanoylphorbol-13-acetate activated NFkappaB, AP-1, COX-2, and iNOS in mouse epidermis.
Cichocki M1, Paluszczak J, Szaefer H, Piechowiak A, Rimando AM, Baer-Dubowska W.
27. Oxid Med Cell Longev. 2013; 2013:575482. doi: 10.1155/2013/575482. Epub 2013 Apr 4.A review of pterostilbene antioxidant activity and disease modification. McCormack D1, McFadden D.
28. J Agric Food Chem. 2013 Jan 23; 61(3):602-10. doi: 10.1021/jf304487v. Epub 2013 Jan 11.The inhibitory effect of pterostilbene on inflammatory responses during the interaction of 3T3-L1 adipocytes and RAW 264.7 macrophages.
Hsu CL1, Lin YJ, Ho CT, Yen GC.
29. Interdiscip Toxicol. 2012 Jun; 5(2):71-5. doi: 10.2478/v10102-012-0012-7. Effect of stilbene derivative on superoxide generation and enzyme release from human neutrophils in vitro. Mačičková T1, Pečivová J, Harmatha J, Sviteková K, Nosáľ R.

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