

BGT

BIO GENETIC TECHNOLOGY

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Integrity Ingredients Corporation

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Innovations Create Health & Beauty Cosmetic Peptides



Company's Introduction

BioGenetic Technology (BGT) core technology is in high throughput screening, Ab initio quantum chemistry, and molecular artificial evolution with deep learning algorithms. By those techniques, the functional molecules in regulating biological activities such as neural signal transduction, stem cell maintenance, differentiation, apoptosis, autophagy, and telomerase are designed and developed. We can apply these biologically active materials to nutritional, repair, and anti-aging regimens to regenerate aging skin tissues and cells in the beauty and cosmetic fields.

At BGT, our advanced peptide pilot and manufacturing facilities, excellent R&D capability, and experienced expertise provide us with the exceptional ability to deliver high-quality, highly innovative cosmetic peptides to suit your specific requirements. We are well equipped from small to large-scale synthesis of cosmetic peptides in any complexity, making BGT the ideal partner in the development of your skincare and beauty products. Our dedicated pilot and manufacturing facilities, with a cost-efficiency process, provide us distinct advantages over our competitors in terms of flexibility, product quality, and excellent pricing.

We have capabilities to synthesize from simple to any challenging sequences based on our customers' specifications; our synthesized peptides can be at different purity levels, and scales (mg to kg) with customized solutions to meet any specific requirements. Express delivery service is also available for urgent projects. Reach out today to challenge us with your ideas and take advantage of our expertise.



Patented Innovative Beauty Anti-Wrinkle Polypeptide

BGT™ TDP-1

Product Trade Name: BGT™ TDP-1

Product INCI Name: Tridecapeptide-1

CAS Number: 72957-38-1

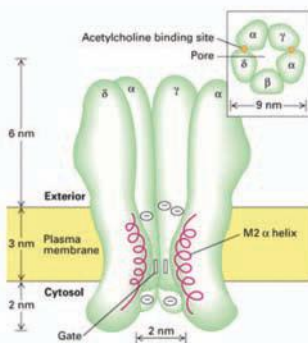
Sequence: Ala-Cys-Cys-Leu-Phe-Asn-Cys-His-Ser-Trp-Val-Gly-Cys

Molecule Weight: 1442.7

Product Description:

BGT™ TDP-1 is a biochemically designed three-dimensional folded polypeptides, spherical structure, which can rapidly penetrate and effectively bind the acetylcholine receptors to perform quick wrinkle reduction and eliminate facial fine lines

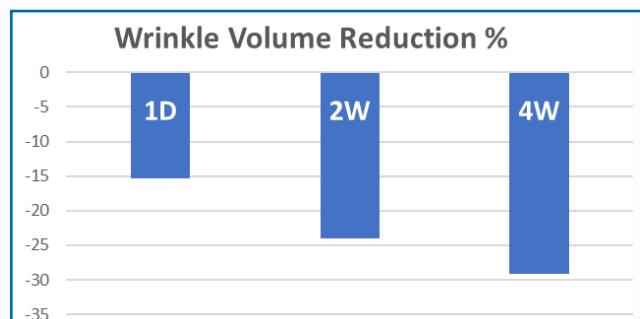
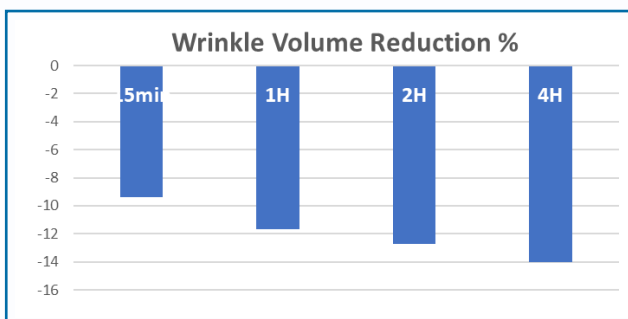
The Mechanism of BGT™ TDP-1



The formation of facial wrinkles is because of years of repeated facial expressions that make the dermatological muscle memory tight, the most obvious such as crow's feet and forehead lines. BGT™ TDP-1 can effectively prevent the binding of acetylcholine to its receptor, block initiation of muscle contraction action potential, and keep the muscles in a relaxed state to further reduce the fine lines and wrinkles.

The Performance and Benefit of BGT™ TDP-1

They have noticeably reduced the fine lines around the eye corner after 15 minutes of application and there is no rebound of the fine lines around the eye corners after four hours.



The wrinkle volume has decreased around 10% after 15 minutes of application, and it continues decreasing in the next several hours. It decreased the wrinkle volume by around 30% after using the product once a day in the next four weeks.



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