

Innovative Patented Hair Strengthen Polypeptide

BGT™ Hair-KPro

Product Trade Name: **BGT™ Hair-KPro**

Product INCI Name: Decapeptide-4

CAS Number: 936616-33-0

Molecule Weight: 1368.61

Natural Source: Amino acid sequence mimicked from human hair keratin, safe and non-irritation

China Compliant Status: Yes



Product Description:

- This innovative hair polypeptide is based on the structure of keratin and keratin associated proteins. We coupled with database of keratin-interacting proteins by molecular optimization to make its hydrophilic and hydrophobic groups more balanced.
- Our optimized peptide (Hair-KPro) is much easier to form repair microenvironment and reform disulfide bonds with keratin, it significantly improve the strength of hair.
- BGT™ Hair-KPro has different amino acids sequences than traditional sh-Oligopeptide-78, its special cysteine in the peptide domain interacts with the hair more effectively and allows the strengthen /formation of disulfide bonds that stabilize the keratinous fiber

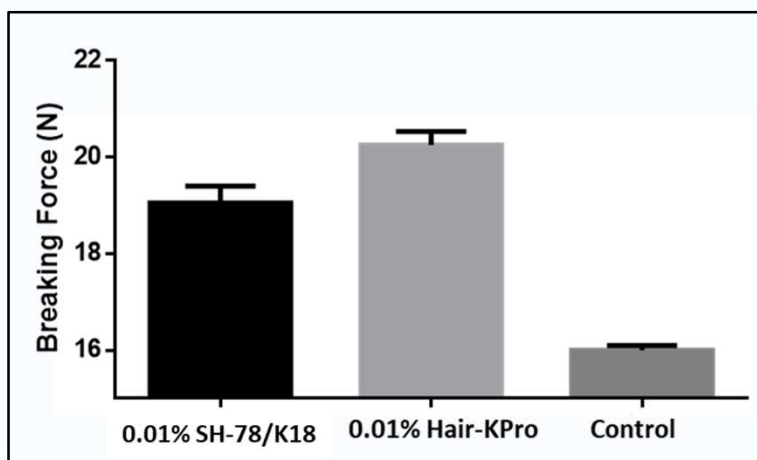
Hair Chemical Damage Repairing Test by BGT™Hair-KPro

Experimental Method:

1. Use severely chemically damaged hair, 25 hair fibers as a cluster.
2. Prepare three solutions: A contains 0.01% SH-78 (K18), B contains 0.01% Hair-KPro (BGT made), and C deionized water (Control)
3. Soak the damaged hair in solutions A, B, and C for 60 minutes
4. Take it out and dry. Apply a hair tensioner to determine the tension value when the hair is completely broken
5. Repeat the test three times and take the average

Test Results:

1. Both SH-78 (K18) and Hair-KPro can significantly improve the toughness and strength of chemically damaged hair
2. Hair-KPro has much better efficacy than traditional SH-78 (K18)



Exclusively Made by Bio Genetic Technology

BGT