

Code No. 54101

**Neosilk® Human-Type Collagen III**Volume : 100 mg

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**Description** : Neosilk® Human-Type Collagen III, a recombinant protein which is produced using by transgenic silkworms expressed 515 amino acid residue at C-terminal of a triple-helical domain of human type III collagen  $\alpha 1(\text{III})$  chain. Type III collagen exists in skin and blood vessels, and it has been considered that Type III collagen makes more flexibility in tissues as it forms fibers much finer than type I collagen. It has been also known that type III collagen exists much more in skin of infant, and the ratio of type III collagen to type I collagen is decreased by aging. (Refer to the reference) So that type III collagen is also called as "baby collagen". As this product is purified from cocoons of transgenic silkworms, it does not contain animal-derived proteins and also any preservative.

**Source** : Cocoons produced by transgenic silkworms.

**Purification** : Purified by salt-precipitation after extracted from the cocoons.

**Form** : Lyophilized product in deionized water. No additives.

**How to use** : 100 mL of purified water with or without preservatives is added to the product, the resultant solution contains 0.1%(w/v) of Neosilk® Human-Type Collagen III.

**Storage** : Lyophilized product: 2~8°C  
: Solution: -20°C

**Shelf Life** : 2 years stored at 2~8°C for unopened lyophilized product upon shipment from the manufacturer. Should be immediately used after reconstitution (not re-use).

**Reference** : Murakami Y. et al., J. Soc. Cosmet. Chem. Jpn. 47, 278-284 (2013)  
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**Country of Origin** : Japan

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