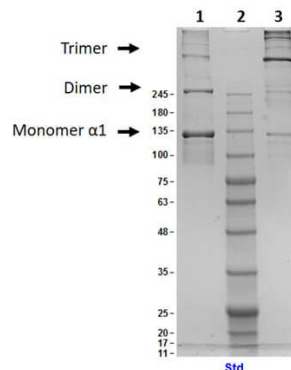


COL3A1 Native Human Collagen Type III

Catalog No.	CNH016A	Quantity:	0.5 mg
	CNH016B		2.5 mg
Alternate Names:	Collagen alpha-1(III) chain, collagen type III		
Description:	Native Human Collagen Type III purified from human skin by the method of Trelstad, R. L., et. al., Anal. Biochem. Vol 71, 114-118 (1976) with modifications. Type III collagen is a fibrillar collagen; a homotrimer containing three $\alpha 1(III)$ left-handed chains aggregated by covalent cross-linking bonds and wound into a right-handed super helix, forming the basic collagen unit. Collagen type III occurs in most soft connective tissues along with type I collagen. Mutations in the COL3A1 gene has been associated with a variety of human diseases, the most well-known being a group of connective tissue disorders termed Ehlers-Danlos Syndromes.		
UniProt ID:	P02461		
Source:	Human skin		
Molecular Weight:	130 kDa		
Formulation:	Lyophilized salt free.		
Purity:	>90% by SDS-PAGE		
Reconstitution:	Centrifuge vial prior to opening. Soluble in 0.01 M HAc and acidic buffers, maximum concentration of 5 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Store unopened vial -20°C to -80°C for 1 year. Upon reconstitution, collagen is stable for 2 weeks at 2-8°C or store aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

Reduced and Non-reduced SDS-PAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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