

Active Recombinant Human Collagen-I protein

Cat. No. COL1-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Collagen-I(aa 1-481) was expressed in E. coli, and it was free from virus, water soluble, and with less immunogenicity for in vivo studies.
Species	Human
Source	E.coli
ProteinLength	1-481 a.a.
Description	Collagen-I was an important protein in many functions. It is expressed with human collagen cDNA transcribed reversely from mRNA and purified by proprietary chromatographic techniques.
Form	Sterile filtered and lyophilized with no additives
Bio-activity	When adding rhCollagen (>0.03% concentration) into culture plate, rhCollagen has remarkable effect on cell proliferation, improving 40-60% in comparison to control culture.
Molecular Mass	96.0 kDa
Endotoxin	<0.1 ng/μg
Purity	Purity by SDS-PAGE: ≥95%;Purity by HPLC: ≥95%.

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Notes	Centrifuge the vial prior to opening.
Storage	Store at -20 centigrade
Reconstitution	Reconstitute the lyophilized rhCollagen in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted to other aqueous solutions and stored aliquoted at –20 centigrade for future use.

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