Recombinant Human COL1A1 protein, His-tagged

Cat. No. COL1A1-6546H **Lot. No.** (See product label)

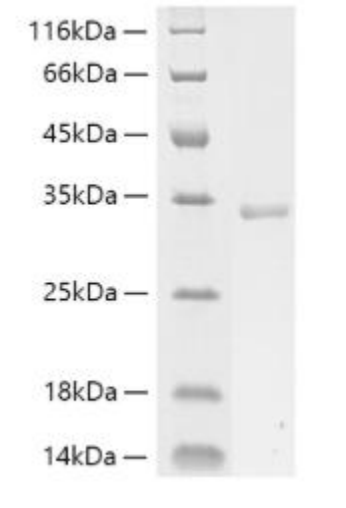
SPECIFICATION

Product Overview	Recombinant Human COL1A1 protein(Asp1219-Leu1464), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1219-1464 aa
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Molecular Mass	28.27 kDa
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	≥ 95% as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to

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	minimize free-thaw cycles.

GENE INFORMATION

Gene Name	COL1A1 collagen, type I, alpha 1 [Homo sapiens]
Official Symbol	COL1A1
Synonyms	COL1A1; collagen, type I, alpha 1; collagen alpha-1(I) chain; OI4; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain;
Gene ID	1277
mRNA Refseq	NM_000088
Protein Refseq	NP_000079
UniProt ID	P02452
SDS-PAGE	

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