

Recombinant Human COL6A1 protein, GST-tagged

Cat. No. COL6A1-11439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL6A1 protein(770-1028 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	770-1028 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.0). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AASequence	NVISCQGLAPSQGRPGLSLVKENYAELLEDAFLKNVTAQICIDKKCPDYTCPITFSSP ADITILLDGSASVGSNFDTTKRFKRLAERFLTAGRTDPAHDVVRVAVVQYSGTGQQ RPERASLQFLQNYTALASAVDAMDFINDATDVNDALGYVTRFYREASSGAAKKRLLL FSDGNSQGATPAAIEKAVQEAQRAGIEIFVVVVGRQVNEPHIRVLVTGKTAEYDVAY GESHLFRVPSYQALLRGVFHQTVSRKVALG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

GENE INFORMATION

Gene Name	COL6A1 collagen, type VI, alpha 1 [Homo sapiens]
Official Symbol	COL6A1
Synonyms	COL6A1; collagen, type VI, alpha 1; collagen alpha-1(VI) chain; alpha 1 (VI) chain (61 AA); collagen VI, alpha-1 polypeptide; OPLL;
Gene ID	1291
mRNA Refseq	NM_001848
Protein Refseq	NP_001839
MIM	120220
UniProt ID	P12109

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