Recombinant Human COL12A1 Protein (140-316 aa), His-tagged

Cat. No. COL12A1-1808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL12A1 Protein (140-316 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	140-316 aa
Description	Type XII collagen interacts with type I collagen-containing fibrils, the COL1 domain could be associated with the surface of the fibrils, and the COL2 and NC3 domains may be localized in the perifibrillar matrix.
Form	Tris-based buffer,50% glycerol
Molecular Mass	23.5 kDa
AA Sequence	DLVFLVDGSWSVGRNNFKYILDFIAALVSAFDIGEEKTRVGVVQYSSDTRTEFNLNQ YYQRDELLAAIKKIPYKGGNTMTGDAIDYLVKNTFTESAGARVGFPKVAIIITDGKSQD EVEIPARELRNVGVEVFSLGIKAADAKELKQIASTPSLNHVFNVANFDAIVDIQNEIISQ V
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	COL12A1 collagen, type XII, alpha 1 [Homo sapiens]
Official Symbol	COL12A1
Synonyms	COL12A1L; BA209D8.1; DJ234P15.1
Gene ID	1303
mRNA Refseq	NM_080645.2
Protein Refseq	NP_542376.2
MIM	120320
UniProt ID	Q99715

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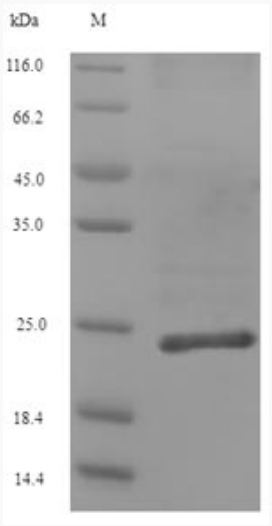

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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