

Recombinant Mouse Col12a1 Protein, His-tagged

Cat. No. Col12a1-811M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Col12a1 Protein (Ser2453-Val2748) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser2453-Val2748
Description	Predicted to be an extracellular matrix structural constituent conferring tensile strength. Predicted to be involved in endodermal cell differentiation. Predicted to act upstream of or within cell adhesion. Located in collagen-containing extracellular matrix and extracellular space. Is expressed in several structures, including connective tissue; mitral valve; sensory organ; skeleton; and skin. Human ortholog(s) of this gene implicated in Ullrich congenital muscular dystrophy. Orthologous to human COL12A1 (collagen type XII alpha 1 chain).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.8 kDa; Accurate Molecular Mass: 38 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Col12a1 collagen, type XII, alpha 1 [Mus musculus (house mouse)]
Official Symbol	Col12a1
Synonyms	Col12a1; collagen, type XII, alpha 1; collagen alpha-1(XII) chain; procollagen, type XII, alpha 1
Gene ID	26198
mRNA Refseq	NM_001290308
Protein Refseq	NP_001277237
UniProt ID	Q60847

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