

Recombinant Human COL5A2 Protein, His/GST-tagged

Cat. No. COL5A2-347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL5A2(Cys82~Glu308) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys82~Glu308
Description	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	51.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
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.
Reconstitution	Reconstitute in PBS or others

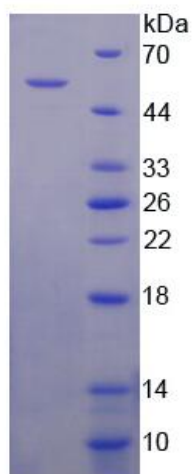
GENE INFORMATION

Gene Name	COL5A2 collagen, type V, alpha 2 [Homo sapiens]
Official Symbol	COL5A2
Synonyms	COL5A2; collagen, type V, alpha 2; collagen alpha-2(V) chain; AB collagen; type V procollagen alpha 2 chain; collagen, fetal membrane, A polypeptide; MGC105115;
Gene ID	1290
mRNA Refseq	NM_000393
Protein Refseq	NP_000384
MIM	120190
UniProt ID	P05997

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15% SDS-PAGE

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