

Product datasheet for **TP701061**

Collagen X (COL10A1) (NM_000493) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human collagen, type X, alpha 1 (COL10A1), with C-terminal His tag, secretory expressed in HEK293 cells, 50ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC211658, encoding the region Val19-Met680 of COL10A1
Tag:	C-His
Predicted MW:	65.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000484
Locus ID:	1300
UniProt ID:	Q03692
RefSeq Size:	3285
Cytogenetics:	6q22.1
RefSeq ORF:	2040



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Summary:

This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD). [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome

Product images: