

## Recombinant Mouse Col10a1 Protein, MYC/DDK-tagged

Cat. No. Col10a1-915M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse collagen, type X, alpha 1 (Col10a1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage.
<b>Molecular Mass</b>	67.2 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	Col10a1 collagen, type X, alpha 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Col10a1
<b>Synonyms</b>	Col10a1; collagen, type X, alpha 1; Col10; Col10a-1; collagen alpha-1(X) chain; procollagen, type X, alpha 1
<b>Gene ID</b>	12813
<b>mRNA Refseq</b>	NM_009925
<b>Protein Refseq</b>	NP_034055
<b>UniProt ID</b>	Q05306

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