Product Name: Recombinant Mouse COL3A1 (C-6His)
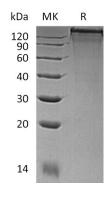**Catalog #: PHM0429**

Summary

Name	COL3A1/Collagen alpha-1(III) chain
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Collagen Alpha-1(III) Chain is produced by our Mammalian expression system and the target gene encoding Gln155-Gly1219 is expressed with a 6His tag at the C-terminus.
Accession #	P08121
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	96.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Background

Alternative Names	Collagen alpha-1(III) chain; Col3a1
Background	Collagen alpha-1(III) chain（Col3a1） is a secreted protein and belongs to the

fibrillar collagen family.It contains 1 fibrillar collagen NC1 domain and 1 VWFC domain. Collagen alpha-1(III) chain is a fibrillar collagen that is found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I collagen. The COL3A1 gene produces the components of type III collagen, called pro-alpha1(III) chains. Three copies of this chain combine to make a molecule of type III procollagen. These triple-stranded, rope-like procollagen molecules must be processed by enzymes outside the cell to remove extra protein segments from their ends. Once these molecules are processed, the collagen molecules arrange themselves into long, thin fibrils. Within these fibrils, the individual collagen molecules are cross-linked to one another. These cross-links result in the formation of very strong mature type III collagen fibrils, which are found in the spaces around cells.

Note

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