

Product datasheet for **TP727156**

Col3a1 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Collagen α 1(III) Chain/COL3A1 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gln155-Gly1219
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH4.5.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	12825
UniProt ID:	P08121
Summary:	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.



[View online »](#)