

Recombinant Human COL6A3, His-tagged

Cat. No. COL6A3-264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the BPTI/Kunitz inhibitor domain of human COL6A3 (P12111-1) (3101T-3177T) was expressed with an N-terminal polyhistidine tag.
Species	Human
Source	Human Cells
ProteinLength	3101T-3177T
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human COL6A3 comprises 101 amino acids and has a predicted molecular mass of 11.4 kDa. The apparent molecular mass of the protein is approximately 13.3 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	COL6A3?collagen, type VI, alpha 3 [?Homo sapiens?(human)]
Official Symbol	COL6A3
Synonyms	COL6A3; collagen, type VI, alpha 3; collagen alpha-3(VI) chain; collagen VI, alpha-3 polypeptide
Gene ID	1293
mRNA Refseq	NM_004369
Protein Refseq	NP_004360
MIM	120250
UniProt ID	P12111
Chromosome Location	2q37
Pathway	Assembly of collagen fibrils and other multimeric structures; Collagen biosynthesis and modifying enzymes; ECM-receptor interaction
Function	serine-type endopeptidase inhibitor activity

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