

Recombinant Human COL6A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COL6A2-2168H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COL6A2 MS Standard C13 and N15-labeled recombinant protein (NP_001840) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene.
Molecular Mass	108.6 kDa
AA Sequence	MLQGTCSVLLWLGILGAIQAQQQEVISPDTERNNNCPEKTD CPIHVYFVLDTSESVT MQSPTDILLFHMKQFVPQFISQLQNEFYLDQVALSWRYGGLHFSDQVEVFSPPGSD RASFIKNLQGISSFRRTFTDCALANMTEQIRQDRSKGTVHFAVVITDGHVTGSPCG GIKLQAERAREEGIRLFAVAPNQNLKEQGLRDIASPHELYRNDYATMLPDSTEIDQD TINRIIKVMKHEAYGECYKVSACLEIPGPSGPKGYRGQKGAKGNMGEPGEPGQKGRQ GDPGIEGPIGFPGPKGVPGFKGEKGEFGADGRKGAPGLAGKNGTDGQKGKLGRIG

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PPGCKGDPGNRGPDPGYPGGEAGSPGERGDQGGKGDGPGRPGRRGPPGEIGAKGSK
 GYQGNNGAPGSPGVKGAKGGPGPRGPKGEPGRRGDPGPKGSPGSDGPKGEKGD
 PGPEGPRGLAGEVGNKGAKGDRGLPGPRGPQGALGEPGKQGSRGDPGDAGPRG
 DSGQPGPKGDPGRPGFSYPGPRGAPGEKGEPGPRGPEGGRGDFGLKGEPGRKG
 EKGEPADPGPPGEPGPRGPRGVPGPEGEPGPPGDPGLTECDVMTYVRETCGCCD
 CEKRCGALDVVFVIDSSESIGYTNFTLEKNFVINNVNRLGAIKDPKSETGTRVGVVQ
 YSHEGTFEAIQLDDERIDSLSSFKEAVKNLEWIAGGTWTPSALKFAYDRLIKESRRQK
 TRVFAVITDGRHDPRDDDLNLRALCDRDVTVAIGIGDMFHEKHESENLYSIACDKP
 QQVRNMTLFSDLVAEKFIDDMEDVLCPPQIVCPDLPCQTELSVAQCTQRPVDIVFL
 LDGSERLGEQNFHKARRFVEQVARRLTLARRDDDPLNARVALLQFGGPGEQQVAF
 PLSHNLTAIHEALETQYLNSFSHVGAGVVHAINAIVRSRPGGARRHAELSFVFLTDG
 VTGNDSLHESAHSRMRKQNVVPTVLALGSDVDMDVLTTLTSLGDRAAVFHEKDYDSL
 QPGFFDRFIRWICSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name COL6A2 collagen type VI alpha 2 chain [Homo sapiens (human)]

Official Symbol COL6A2

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Synonyms	COL6A2; collagen, type VI, alpha 2; collagen alpha-2(VI) chain; collagen VI, alpha-2 polypeptide; human mRNA for collagen VI alpha-2 C-terminal globular domain; PP3610; FLJ46862; DKFZp586E1322;
Gene ID	1292
mRNA Refseq	NM_001849
Protein Refseq	NP_001840
MIM	120240
UniProt ID	P12110
SDS-PAGE	