

# Recombinant Full Length Human COL6A2 Protein, GST-tagged

**Cat. No.** COL6A2-2177HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human COL6A2 full-length ORF ( AAH02484, 1 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 425 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 72.49 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MTYVRETCGCCDCEKRCGALDVVFVIDSSSIGYTNFTLEKNFVINNVNRLGAIKDP<br>KSETGTRVGVVQYSHEGTFEAIQLDDEHIDSLSSFKEAVKNLEWIAGGTWTPSALKF<br>AYDRLIKESRRQKTRVFAVVITDGRHDPRDDDLNLRALCDRDVTVTAGIGDMFHEK<br>HESENLYSIACDKPQQVRNMTLFSDLVAEKFIDDMEDVLCPPDPQIVCPDLPCQTELS<br>VAQCTQRPVDIVFLLDGSERLGEQNFHKARRFVEQVARRLTLARRDDDDPLNARVAL                                                                                                                                                                                                                                                                                                  |

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LQFGGPGEEQVAFPLSHNLTAIHEALETQYLNSFSHVGAGVVHAINAIVRSRGGARRHAELSFVFLTDGVTGNDLSHESAHSRMRKQNVVPTVLALGSDVDMDVLTTLTSLGDRAAVFHEKDYDSLAAQPGFFDRFIRWIC

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

COL6A2 collagen, type VI, alpha 2 [ Homo sapiens ]

**Official Symbol**

COL6A2

**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

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| MIM | 120240 |
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| UniProt ID | P12110 |
|------------|--------|

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