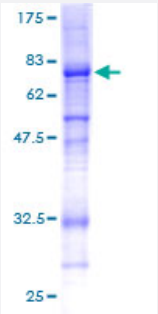
Full-Length

COL6A2 (Human) Recombinant Protein (P01)

Catalog # H00001292-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human COL6A2 full-length ORF (AAH02484, 1 a.a. - 425 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTYVRETCGCCDCEKRCGALDVVFVIDSSESIGYTNFTLEKNFVINVVNRLGAIAKDPKSETGTRV GVVQYSHEGTFEAIQLDDEHIDSLSSFKEAVKNLEWIAGGTWTPSALKFAYDRLIKESRRQKTRVF AVVITDGRHDPRDDDLNLRALCDRDVTVTAIGIGDMFHEKHESENLYSIACDKPQQVRNMTLFSDL VAEKFIDDMEDVLCPDPQIVCPDLPCQTELSVAQCTQRPVDIVFLLDGSERLGEQNFHKARRFVE QVARRLTLARRDDDPLNARVALLQFGGPGEQQVAFPLSHNLTAIHEALETTQYLNSFSHVGAGVV HAINAIVRSPRGGARRHAELSFVFLTDGVTGNDSLHESAHSMRKQNVVPTVLALGSDVDMDVLTT LSLGDRAAVFHEKDYDSLAQPGFFDRFIRWIC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	72.49
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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

Applications

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

Gene Info — COL6A2

Entrez GeneID	1292
GeneBank Accession#	BC002484
Protein Accession#	AAH02484
Gene Name	COL6A2
Gene Alias	DKFZp586E1322, FLJ46862, PP3610
Gene Description	collagen, type VI, alpha 2
Omim ID	120240 158810 254090
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000115569|alpha 2 type VI collagen|collagen VI, alpha-2 polypeptide|collagen alpha-2(VI) chain|human mRNA for collagen VI alpha-2 C-terminal globular domain

Pathway

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- ECM-receptor interaction
- Focal adhesion

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Genetic Predisposition to Disease
- Neuroblastoma

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