

COL6A3 / Collagen-VI Recombinant Protein | COL6A3 recombinant protein

Recombinant Human COL6A3/Collagen-VI Protein (His Tag)

CATALOG #
AAA173518

HOST
HEK293 Cells

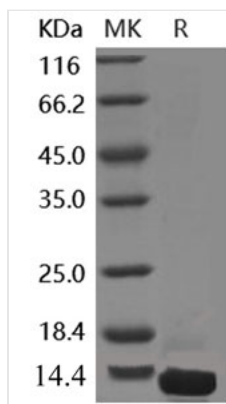
PRODUCT SYNONYMS

COL6A3 / Collagen-VI; Recombinant Human COL6A3/Collagen-VI Protein (His Tag); COL6A3; Collagen-VI; COL6A3 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01%Tween-80.
Sequence Positions	3101T-3177T
Tag	N-His
Species	Human
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water(80?l) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for COL6A3 recombinant protein	This gene encodes the alpha-3 chain, one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The alpha-3 chain of type VI collagen is much larger than the alpha-1 and -2 chains. This difference in size is largely due to an increase in the number of subdomains, similar to von Willebrand Factor type A domains, that are found in the amino terminal globular domain of all the alpha chains. 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 the type VI collagen genes are associated with Bethlem myopathy, a rare autosomal dominant proximal myopathy with early childhood onset. Mutations in this gene are also a cause of Ullrich congenital muscular dystrophy, also referred to as Ullrich scleroatonic muscular dystrophy, an autosomal recessive congenital myopathy that is more severe than Bethlem myopathy. Multiple transcript variants have been identified, but the full-length nature of only some of these variants has been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55743098
NCBI GeneID	1293
NCBI Accession #	NP_004360.2
NCBI GenBank Nucleotide #	NM_004369.3
UniProt Accession #	P12111-1; Q16501; Q53QF4; Q53QF6; A8MT30; B4E3U5; B7ZMJ7; E9PFQ6; E9PGQ9; P12111
Molecular Weight	Mol_Mass: 11.4 kDa AP_Mol_Mass: 13.3 kDa
NCBI Official Full Name	collagen alpha-3(VI) chain isoform 1
NCBI Official Synonym Full Names	collagen type VI alpha 3 chain
NCBI Official Symbol	COL6A3
NCBI Official Synonym Symbols	DYT27; UCMD1; BTHLM1
NCBI Protein Information	collagen alpha-3(VI) chain
UniProt Protein Name	Collagen alpha-3(VI) chain
UniProt Gene Name	COL6A3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.