

Datasheet for ABIN7553529
COL13A1 Protein (AA 1-717) (His tag)



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Overview

Quantity:	1 mg
Target:	COL13A1
Protein Characteristics:	AA 1-717
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL13A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COL13A1 Protein expressed in mammalian cells.
Sequence:	MVAERTHKAA ATGARGPGEL GAPGTVALVA ARAERGARLP SPGSCGLLTL ALCSLALSLL AHFRTAELQA RVLRLAERG EQQMETAILG RVNQLLDEKW KLHSRRRREA PKTSPGCNCP PGPPGPTGRP GLPGDKGAIG MPGRVGS PGD AGLSIIGPRG PPGQPGRGF PGFPGPIGLD GKPGHPGPKG DMGLTGPPGQ PGPQGQKGEK GQCGEYPHRE CLSSMPAALR SSQIIALKLL PLLNSVRLAP PVIKRRRFQ GEQSQASIQG PPGPPGPPG SGPLGHPGLP GPMGPPGLPG PPGPKGDPI QGYHGRKGER GMPGMPGKHG AKGAPGIAVA GMKGEPGIPG TKGEKGAEGS PGLPGLLGQK GEKGDAGNSI GGRGEPGPP GLPGPPGPKG EAGVDGQVGP PGQPGDKGER GAAGEQPGDG PKGSKGEPGK GEMVDYNGNI NEALQEIRTL ALMGPPGLPG QIGPPGAPGI PGQKGEIGLP GPPGHDGEKG PRGKPGDMGP PGPQGPPGKD GPPGVKGENG HPGSPGEKGE KGETGQAGSP GEKGEAGEKG NPGAEPGLP GPEGPPGPPG LQGVPGPKGE AGLDGAKGEK GFQGEKDRG PLGLPGASGL DGRPGPPGTP GPIGVPGPAG PKGERGSKGD PGMTGPTGAA GLPGLHGPPG DKGNRGERGK KGSRGPKGDK GDQGAPGLDA PCPLGEDGLP VQGCWNK

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: COL13A1

Alternative Name: COL13A1 ([COL13A1 Products](#))

Background: Collagen alpha-1(XIII) chain (COLXIII A1),FUNCTION: Involved in cell-matrix and cell-cell adhesion interactions that are required for normal development. May participate in the linkage between muscle fiber and basement membrane. May play a role in endochondral ossification of bone and branching morphogenesis of lung. Binds heparin. At neuromuscular junctions, may play a role in acetylcholine receptor clustering (PubMed:26626625).
{ECO:0000250|UniProtKB:Q9R1N9, ECO:0000269|PubMed:10865988, ECO:0000269|PubMed:11956183, ECO:0000269|PubMed:26626625}.

Target Details

Molecular Weight: 70.0 kDa

UniProt: [Q5TAT6](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months