

Datasheet for ABIN7553550
COL25A1 Protein (AA 1-654) (His tag)



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Overview

Quantity:	1 mg
Target:	COL25A1
Protein Characteristics:	AA 1-654
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL25A1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant COL25A1 Protein expressed in mammalian cells.
Sequence:	<p>MLLKKHAGKG GGREPRSEDP TPAEQHCART MPPCAVLAAL LSVVAVVSL YLGVKTNDLQ ARIAALSAK GAPSIHLLPD TLDHLKTMVQ EKVERLLAQK SYEHMAKIRI AREAPSECNC PAGPPGKRKG RRRGESGPP GQPGPQPPG PKGDKGEQGD QGPRMVFPKI NHGFLSADQQ LIKRRLIKGD QGQAGPPGPP GPPGPRGPPG DTGKDGRGM PGVPGEPGKP GEQGLMGPLG PPGQKGSIGA PGIPGMNGQK GEPGLPGAVG QNGIPGPKGE PGEQGEKQDA GENGPKGDTG EKGDPGSSAA GIKGEPGESG RPGQKGEPGL PGLPGLPGIK GEPGFIPQGE EPGLPGLPGT KGERGEAGPP GRGERGEPGA PGPKGKQGES GTRGPKGSKG DRGEKGDGSA QGPRGPPGQK GDQGATEIID YNGNLHEALQ RITTLTVTGP PGPPGPQGLQ GPKGEQGSPP IPGMDGEQGL KGSKGDMGDP GMTGEKGGIG LPGLPGANGM KGEKGDGSGMP GPQGPSIIGP PGPPGPHGPP GPMGPHGLPG PKGTDGPMGP HGPAGPKGER GEKGAMGEPG PRGPYGLPGK DGEPGLDGFP GPRGEKGLD EKGEKGRGV KGEKGEPPQ GLDGLDAPCQ LGPDGLPMPG CWQK Sequence</p>

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

COL25A1

Alternative Name:

COL25A1 ([COL25A1 Products](#))

Background:

Collagen alpha-1(XXV) chain (Alzheimer disease amyloid-associated protein) (AMY) (CLAC-P) [Cleaved into: Collagen-like Alzheimer amyloid plaque component (CLAC)],FUNCTION: Inhibits fibrillization of amyloid-beta peptide during the elongation phase. Has also been shown to assemble amyloid fibrils into protease-resistant aggregates. Binds heparin.
{ECO:0000269|PubMed:15522881, ECO:0000269|PubMed:15615705, ECO:0000269|PubMed:15853808, ECO:0000269|PubMed:16300410}.

Molecular Weight:

64.8 kDa

UniProt:

[Q9BXS0](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
