

Datasheet for ABIN7557703
SLC35A1 Protein (AA 1-336) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC35A1 (CMPST)
Protein Characteristics:	AA 1-336
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC35A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc35a1 Protein expressed in mammalian cells.
Sequence:	MAPARENVSL FFKLYCLTVM TLVAAAYTVA LRYTRTTAAE LYFSTTAVCI TEVIKLLISV GLLAKETGSL GRFKASLSEN VLGSPKELAK LSVPSLVYAV QNNMAFLALS NLDAAVYQVT YQLKIPCTAL CTVLMLNRTL SKLQWISVFM LCGGVTLVQW KPAQATKVVV AQNPLLGFGA IAIAVLCSGF AGVYFEKVLK SSDTSLWVRN IQMYLSGIVV TLAGTYLSDG AEIQEKGFFY GYTTYVWFVI FLASVGGLYT SVVVKYTDNI MKGFSA AAAI VLSTIASVLL FGLQITLSFA LGALLVCVSI YLYGLPRQDT TSIQQEATSK ERIIGV 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:

Product Details

- 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:	SLC35A1 (CMPST)
Alternative Name:	Slc35a1 (CMPST Products)
Background:	CMP-sialic acid transporter (CMP-SA-Tr) (CMP-Sia-Tr) (CST) (Solute carrier family 35 member A1),FUNCTION: Transports CMP-sialic acid from the cytosol into the Golgi apparatus, functioning as an antiporter that exchanges CMP-sialic acid for CMP (PubMed:8755516, PubMed:10085119, PubMed:30985278, PubMed:34015330). Binds both CMP-sialic acid and free CMP, but has higher affinity for free CMP (PubMed:30985278). Also able to exchange CMP-sialic acid for AMP and UMP (By similarity). Also mediates the transport of CDP-ribitol (PubMed:34015330) (By similarity). {ECO:0000250 UniProtKB:P78382, ECO:0000269 PubMed:10085119, ECO:0000269 PubMed:30985278, ECO:0000269 PubMed:34015330, ECO:0000269 PubMed:8755516}.
Molecular Weight:	36.5 kDa
UniProt:	Q61420

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
