

Datasheet for ABIN7551643

SLC35D1 Protein (AA 1-355) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC35D1
Protein Characteristics:	AA 1-355
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC35D1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC35D1 Protein expressed in mammalian cells.
Sequence:	<p>MAEVHRRQHA RVKGEAPAKS STLRDEEELG MASAETLTVF LKLLAAGFYG VSSFLIVVWN</p> <p>KSVLTNYRFP SSLCVGLGQM VATVAVLWVG KALRVVKFPD LDRNVPRKTF PLPLLYFGNQ</p> <p>ITGLFSTKKL NLPMTVLRR FSILFTMFAE GVLLKKTFSW GIKMTVFAMI IGAFVAASSD</p> <p>LAFDLEGYAF ILINDVLTAA NGAYVKQKLD SKELGKYGLL YYNALFMILP TLAIAYFTGD</p> <p>AQKAVEFEGW ADTLFLLQFT LSCVMGFILM YATVLCTQYN SALTITIVGC IKNILITYIG</p> <p>MVFGGDYIFT WTNFIGLNI IAGSLVYSYI TFTEEQLSKQ SEANNKLDIK GKGAV Sequence</p> <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.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	SLC35D1
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Alternative Name:	SLC35D1 (SLC35D1 Products)
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Background:	<p>Nucleotide sugar transporter SLC35D1 (Solute carrier family 35 member D1) (UDP-galactose transporter-related protein 7) (UGTrel7) (UDP-glucuronic acid/UDP-N-acetylgalactosamine transporter) (UDP-GlcA/UDP-GalNAc transporter),FUNCTION: Antiporter that transports nucleotide sugars across the endoplasmic reticulum (ER) membrane in exchange for either their cognate nucleoside monophosphate or another nucleotide sugar (PubMed:16965264, PubMed:17599910, PubMed:31423530). Transports various UDP-sugars including UDP-N-acetyl-alpha-D-glucosamine (UDP-GlcNAc), UDP-N-acetyl-alpha-D-galactosamine (UDP-GalNAc) and UDP-alpha-D-glucuronate (UDP-GlcA), which are used by ER glucosyltransferases as sugar donors for the synthesis of sugar chains of glycoproteins, glycolipids and oligosaccharides (PubMed:11322953, PubMed:16965264, PubMed:17599910, PubMed:31423530, PubMed:17952091). May couple UDP-GlcNAc or UDP-GalNAc efflux to UDP-GlcA influx into the ER lumen that in turn stimulates glucuronidation and subsequent excretion of endobiotics and xenobiotics (PubMed:16965264, PubMed:17599910). Plays a role in chondroitin sulfate biosynthesis, which is important for formation of cartilage extracellular matrix and normal</p>
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Target Details

skeletal development (By similarity). {ECO:0000250|UniProtKB:A2AKQ0, ECO:0000269|PubMed:11322953, ECO:0000269|PubMed:16965264, ECO:0000269|PubMed:17599910, ECO:0000269|PubMed:17952091, ECO:0000269|PubMed:31423530}.

Molecular Weight: 39.2 kDa

UniProt: [Q9NTN3](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

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