

Datasheet for ABIN7551624

SLC35A3 Protein (AA 1-325) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC35A3
Protein Characteristics:	AA 1-325
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC35A3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC35A3 Protein expressed in mammalian cells.
Sequence:	<p>MFANLKYVSL GILVFQTTSL VLTMRYSRTL KEEGPRYLSS TAVVVAELLK IMACILLVYK</p> <p>DSKCSLRALN RVLHDEILNK PMETLKLAIP SGIYTLQNNL LYVALSNLDA ATYQVTYQLK</p> <p>ILTTALFSVS MLSKKLGYYQ WLSLVILMTG VAFVQWPSDS QLDSKELSAG SQFVGLMAVL</p> <p>TACFSSGFAG VYFEKILKET KQSVWIRNIQ LGFFGSIFGL MGVYIYDDEL VSKNGFFQGY</p> <p>NRLTWIVVVL QALGGLVIAA VIKYADNLIK GFATLSIIL STLISYFWLQ DFVPTSVFFL GAILVITATF</p> <p>LYGYDPKPAG NPTKA 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.</p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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:	SLC35A3
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Alternative Name:	SLC35A3 (SLC35A3 Products)
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Background:	UDP-N-acetylglucosamine transporter (Golgi UDP-GlcNAc transporter) (Solute carrier family 35 member A3),FUNCTION: Transports diphosphate-N-acetylglucosamine (UDP-GlcNAc) from the cytosol into the lumen of the Golgi apparatus, functioning as an antiporter that exchanges UDP-N-acetyl-alpha-D-glucosamine for UMP (PubMed:10393322). May supply UDP-GlcNAc as substrate for Golgi-resident glycosyltransferases that generate highly branched, multiantennary complex N-glycans and keratan sulfate (PubMed:23766508, PubMed:34981577). However, the exact role of SLC35A3 still needs to be elucidated, it could be a member of a catalytically more efficient multiprotein complex rather than function independently as a single transporter (PubMed:32938718). {ECO:0000269 PubMed:10393322, ECO:0000269 PubMed:23766508, ECO:0000269 PubMed:32938718, ECO:0000269 PubMed:34981577}.
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Molecular Weight:	36.0 kDa
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UniProt:	Q9Y2D2
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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.
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Restrictions:	For Research Use only
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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