

Datasheet for ABIN7551716
SLC35B1 Protein (AA 1-322) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC35B1
Protein Characteristics:	AA 1-322
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC35B1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant SLC35B1 Protein expressed in mammalian cells.
Sequence:	<p>MASSSSLVPD RLRLPLCLFG VFVCYFYGY LQEKITRGKY GEGAKQETFT FALTLVFIQC VINAVFAKIL IQFFDTARVD RTRSWLYAAC SISYLGAMVS SNSALQFVNY PTQVLGKSCK PIPVMLLGVT LLKKKYPLAK YLCVLLIVAG VALFMYKPKK VVGIEHTVG YGELLLLLSL TLDGLTGVSQ DHMRAHYQTG SNHMMLNINL WSTLLGMGI LFTGELWEFL SFAERYPAII YNILLFGLTS ALGQSFIFMT VVYFGPLTCS IITTRKFFT ILASVILFAN PISPMQWVGT VLVFLGLGLD AKFGKGAKKT SH 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.

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:	SLC35B1
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Alternative Name:	SLC35B1 (SLC35B1 Products)
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Background:	<p>Solute carrier family 35 member B1 (ATP/ADP exchanger ER) (AXER) (Endoplasmic reticulum ATP/ADP translocase) (UDP-galactose transporter-related protein 1) (UGTrel1),FUNCTION: ATP:ADP antiporter that catalyzes the exchange of ATP and ADP across the endoplasmic reticulum (ER) membrane. Imports ATP from the cytosol to the ER lumen and exports ADP in the opposite direction (PubMed:30154480, PubMed:35041824). Regulates ER energy metabolism and protein biogenesis. Appears to be part of a calcium-dependent ER to cytosol low energy response axis, where calcium efflux from ER to the cytosol triggers ATP import into the ER lumen to maintain sufficient ATP supply. Provides ATP to ER chaperone HSPA5 that drives protein folding and trafficking in the ER (PubMed:30154480, PubMed:35041824). Can transport dATP, UTP or UDP in exchange for ATP, but the physiological relevance of this process remains to be established (PubMed:30154480, PubMed:35041824).</p> <p>{ECO:0000269 PubMed:30154480, ECO:0000269 PubMed:35041824}., FUNCTION: [Isoform 1]: ATP:ADP antiporter. {ECO:0000269 PubMed:30154480, ECO:0000269 PubMed:35041824}., FUNCTION: [Isoform 2]: ATP:ADP antiporter. {ECO:0000269 PubMed:30154480}.</p>
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Molecular Weight:	35.8 kDa
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Target Details

UniProt: [P78383](#)

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