

Datasheet for ABIN7551647
SLC36A1 Protein (AA 1-476) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC36A1
Protein Characteristics:	AA 1-476
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC36A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC36A1 Protein expressed in mammalian cells.
Sequence:	MSTQRLRNED YHDYSSTDVS PEESPSEGLN NLSSPGSYQR FGQSNSTTWF QTLIHLLKGN IGTGLLGLPL AVKNAGIVMG PISLLIIGIV AVHCMGILVK CAHHFCRRLN KSFVDYGDTV MYGLESSPCS WLRNHAHWGR RVVDFFLIVT QLGFCVYFV FLADNFKQVI EAANGTTNNC HNNETVILTP TMDSRLYMLS FLPFLVLLVF IRNLRALSIF SLLANITMLV SLVMIYQFIV QRIPDP SHLP LVAPWKTYPL FFGTAIFSFE GIGMVLPLEN KMKDPRKFPL ILYLGMVIVT ILYISLGCLG YLQFGANIQG SITLNLPCNW LYQSVKLLYS IGIFFTYALQ FVYPAEIIIP FFVSRAP EHC ELVVDLFVRT VLVCLTCILA ILIPRLDLVI SLVGSVSSSA LALIIPPLLE VTTFYSEGMS PLTIFKDALI SILGFVGFVW GTYEALYELI QPSNAPIFIN STCAFI 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

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SLC36A1

Alternative Name:

SLC36A1 ([SLC36A1 Products](#))

Background:

Proton-coupled amino acid transporter 1 (Proton/amino acid transporter 1) (hPAT1) (Solute carrier family 36 member 1),FUNCTION: Electrogenic proton/amino acid symporter with selectivity for small apolar L-amino acids, their D-enantiomers and selected amino acid derivatives such as 4-aminobutanoate/GABA (PubMed:12809675, PubMed:12527723, PubMed:19549785). May be involved in the efflux from the lysosomal compartment of neutral amino acids resulting from proteolysis (By similarity). May play a role in specifying sites for exocytosis in neurons (By similarity). {ECO:0000250|UniProtKB:Q924A5, ECO:0000269|PubMed:12527723, ECO:0000269|PubMed:12809675, ECO:0000269|PubMed:19549785}.

Molecular Weight:

53.1 kDa

UniProt:

[Q7Z2H8](#)

Target Details

Pathways: [Proton Transport](#)

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