

Datasheet for ABIN7558646
SLC36A2 Protein (AA 1-478) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC36A2
Protein Characteristics:	AA 1-478
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC36A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc36a2 Protein expressed in mammalian cells.
Sequence:	MSVTKSARSP QVATPLNLDL PESAKKLQSQ DPSPANGSSS ESSKKTGKIT GFQTLVHLVK GNMGTGILGL PLAVKNAGIL MGPLSLLVMG LIACHCMHIL VRCAQRFCHR LNKPFMDYGD TVMHGLAFSP NAWLQNHAW GRRVVSFFLI VTQLGFCCVY IVFLADNLKQ VVEAVNSTTI SCHKNETVVL TPTMDSRLYM LSFLPVLGLL VFVRNLRVLT IFSLLANISM LVSLVIAQY IIQEIPDASQ LPLVASWKTY PLFFGTAIFS FESIGVVLPL ENKMKDARGF PTILSLGMSI ITTLYIAIGA LGYLRFGDDI KASITLNLPN CWLYQSVKLL YVVGILCTYA LQFYVPAEII IPLAVSQVSK RWALPVDLSI RLALVCLTCM LAILIPRLDL VLSLVGSVSS SALALIIPPL LEVVTTYGEG ISPLTVTKDA LISILGFMGF VVGTYQALDE LIKSGNSPAL SNSTMFIQ 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:

SLC36A2

Alternative Name:

Slc36a2 ([SLC36A2 Products](#))

Background:

Proton-coupled amino acid transporter 2 (Proton/amino acid transporter 2) (Solute carrier family 36 member 2) (Transmembrane domain rich protein 1) (Tramdorin-1),FUNCTION: Electrogenic proton/amino acid symporter with a high selectivity for the small side chains amino acids glycine, alanine and proline, where both L- and D-enantiomers are transported. Extension of the backbone length, as in beta-alanine and 4-aminobutanoate or methylation of the amino group, as in sarcosine and N,N-dimethylglycine, are also tolerated but decrease transport efficiency. A free carboxyl group is preferred. {ECO:0000269|PubMed:11959859, ECO:0000269|PubMed:12809675, ECO:0000269|PubMed:14600155, ECO:0000269|PubMed:15291811}.

Molecular Weight:

52.1 kDa

UniProt:

[Q8BHK3](#)

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