

Datasheet for ABIN7554377

SLC43A1 Protein (AA 1-559) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | SLC43A1 |
| Protein Characteristics: | AA 1-559 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SLC43A1 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat SLC43A1 Protein expressed in mammalian cells. |
| Sequence: | <p>MAPTLQQAYR RRWWMACTAV LENLFFSAVL LGWGSLLIIL KNEGFYSSTC PAESSTNTTQ</p> <p>DEQRRWPGCD QQDEMLNLGF TIGSFVLSAT TLPLGILMDR FGPRPVRLVG SACFTASCTL</p> <p>MALASRDVEA LSPLIFLALS LNGFGGICLT FTSLTLPNMF GNLRSTLMAL MIGSYASSAI</p> <p>TFPGIKLIYD AGVAFVIMF TWISGLACLI LNCTLNWPIE AFPAPEEVNY TKKIKLSGLA</p> <p>LDHKVTGDLF YTHVTTMGQR LSQKAPSLED GSDAFMSPQD VRGTSENLP RSVPLRKSCL</p> <p>SPTFLWSLLT MGMTQLRIIF YMAAVNKMLE YLVTGGQEHE TNEQQQKVAE TVGFYSSVFG</p> <p>AMQLLCLLTC PLIGYIMDWR IKDCVDAPTQ GTVLGDARDG VATKSIRPRY CKIQKLTNAI</p> <p>SAFTLTNLLL VGFGITCLIN NLHLQFVTFV LHTIVRGFFH SACGSLYAAV FPSNHFGTLT</p> <p>GLQSLISAVF ALLQQPLFMA MVGPLKGEPF WVNGLLLLFS LLGFLLPSYL FYYRRLQQE</p> <p>YAANGMGPLK VLSGSEVTA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p> |

Product Details

another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SLC43A1

Alternative Name:

SLC43A1 ([SLC43A1 Products](#))

Background:

Large neutral amino acids transporter small subunit 3 (L-type amino acid transporter 3) (Prostate cancer overexpressed gene 1 protein) (Solute carrier family 43 member 1),FUNCTION: Uniport that mediates the transport of neutral amino acids such as L-leucine, L-isoleucine, L-valine, and L-phenylalanine (PubMed:12930836). The transport activity is sodium ions-independent, electroneutral and mediated by a facilitated diffusion (PubMed:12930836). {ECO:0000269|PubMed:12930836}.

Molecular Weight:

61.5 kDa

UniProt:

[075387](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

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

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|------------------|--|
| 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 |