

Datasheet for ABIN7548948

SLC43A2 Protein (AA 1-569) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC43A2
Protein Characteristics:	AA 1-569
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC43A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC43A2 Protein expressed in mammalian cells.
Sequence:	<p>MAPTLATAHR RRWWMACTAV LENLLFSAVL LGWGSLIML KSEGFYSYLC TEPENVTNGT VGGTAEPGHE EVSWMNGWLS CQAQDEMLNL AFTVGSFLLS AITLPLGIVM DKYGPRKLRL LGSACFAVSC LLIAYGASKP NALSVLIFIA LALNGFGGMC MTFTSLTLPN MFGDLRSTFI ALMIGSYASS AVTFPGIKLI YDAGVSFIVV LVVWAGCSGL VFLNCFNWP LEPFPGPEDM DYSVKIKFSW LGFDHKITGK QFYKQVTTVG RRLSVGSSMR SAKEQVALQE GHKLCLSTVD LEVKCQPDAA VAPSFMHVSF SPILLLSLVT MCVTQLRLIF YMGAMNNILK FLVSGDQKTV GLYTSIFGVL QLLCLLTAPV IGYIMDWRLK ECEDASEEPE EKDANQGEKK KKKRDRQIQK ITNAMRAFAF TNLVLVGFV TCLIPNLPLQ ILSFILHTIV RGFHSAVGG LYAAVYPSTQ FGSLTGLQSL ISALFALLQQ PLFLAMMGPL QGDPLWVNVG LLLLSLLGFC LPLYLICYRR QLERQLQQRQ EDDKLFLKIN GSSNQAEFV 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</p>

contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different 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: SLC43A2

Alternative Name: SLC43A2 ([SLC43A2 Products](#))

Background: Large neutral amino acids transporter small subunit 4 (L-type amino acid transporter 4) (Solute carrier family 43 member 2),FUNCTION: Uniporter that mediates the transport of the stereospecific L-phenylalanine, L-methionine and L-branched-chain amino acids, between the extracellular space and the cytoplasm and may control the transepithelial (re)absorption of neutral amino acid in kidney and small intestine (PubMed:30379325, PubMed:15659399). The transport activity is mediated through facilitated diffusion and is sodium ions-, chloride ions- and pH -independent (PubMed:15659399). {ECO:0000269|PubMed:15659399, ECO:0000269|PubMed:30379325}.

Molecular Weight: 62.7 kDa

Target Details

UniProt: [Q8N370](#)

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