

Datasheet for ABIN7555405
SLC38A4 Protein (AA 1-547) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC38A4
Protein Characteristics:	AA 1-547
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC38A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC38A4 Protein expressed in mammalian cells.
Sequence:	<p>MDPMELRNVN IEPDDESSSG ESAPDSYIGI GNSEKAAMSS QFANEDTESQ KFLTNGFLGK KKLADYADEH HPGTTSFGMS SFNLSNAIMG SGILGLSYAM ANTGIILFII MLLAVAILSL YSVHLLKTA KEGGSLIYEK LGEKAFGWPG KIGAFVSITM QNIGAMSSYL FIIKYELPEV IRAFMGLEEN TGEWYLNNGY LIIFVSVGII LPLSLLKNLG YLGYTSGFSL TCMVFFVSVV IYKKFQIPCP LPVLDHSVGN LSFNNTLPMH VWMLPNNSES SDVNFMMDYT HRNPAGLDEN QAKGSLHDSG VEYEAHSDDK CEPKYVFVNS RTAYAIPILV FAFVCHPEVL PIYSELKDERS RRKMQTVSNI SITGMLVMYL LAALFGYLT YGEVEDELLH AYSKVYTLDI PLLMVRLAVL VAVTLTPIV LFPIRTSVIT LLFPKRPFWS IRHFLIAAVL IALNNVLVIL VPTIKYIFGF IGASSATMLI FILPAVFYLK LVKKETFRSP QKVGALIFLV VGIFFMIGSM ALIIDWIYD PPNSKHH 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>

Product Details

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: SLC38A4

Alternative Name: SLC38A4 ([SLC38A4 Products](#))

Background: Sodium-coupled neutral amino acid transporter 4 (Amino acid transporter A3) (Na⁺)-coupled neutral amino acid transporter 4) (Solute carrier family 38 member 4) (System A amino acid transporter 3) (System N amino acid transporter 3),FUNCTION: Symporter that cotransports neutral amino acids and sodium ions from the extracellular to the intracellular side of the cell membrane (PubMed:11342143, PubMed:19015196, PubMed:33928121). The transport is electrogenic, pH dependent and partially tolerates substitution of Na⁺ by Li⁺ (PubMed:11414754). Preferentially transports smaller amino acids, such as glycine, L-alanine, L-serine, L-asparagine and L-threonine, followed by L-cysteine, L-histidine, L-proline and L-glutamine and L-methionine (PubMed:11414754, PubMed:33928121).
{ECO:0000269|PubMed:11342143, ECO:0000269|PubMed:11414754, ECO:0000269|PubMed:19015196, ECO:0000269|PubMed:33928121}.

Target Details

Molecular Weight: 60.8 kDa

UniProt: [Q96916](#)

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