

Datasheet for ABIN7555409
SLC6A15 Protein (AA 1-730) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC6A15
Protein Characteristics:	AA 1-730
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC6A15 Protein expressed in mammalian cells.
Sequence:	MPKNSKVVKR ELDDDVTESV KDLLSNEDAA DDAFKTSELI VDGQEEKDTD VEEGSEVEDE RPAWNSKLQY ILAQVGF SVG LGNVWRFPYL CQKNGGGAYL LPYLILLMVI GIPLFFLELS VGQRIRRSI GVVNYISPKL GGIGFASCVV CYFVALYYNV IIGWSLFYFS QSFQQPLPWD QCPLVKNASH TFVEPECEQS SATTYYWYRE ALNISSSISE SGGLNWKMTI CLLAAWVMVC LAMIKGIQSS GKIIYFSSLF PYVVLICFLI RAFLNGSID GIRHMFTPKL EIMLEPKVWR EAATQVFFAL GLGFGGVIAF SSYNKRDNNC HFDAVLVSFI NFFTSVLATL VFAVLGFKA NVINEKCITQ NSETIMKFLK MGNISQDIIP HHINLSTVTA EDYHLVYDII QKVKEEEFPA LHLNSCKIEE ELNKAVQGTG LAFIAFTEAM THFPASPFWS VMFFLMLVNL GLGSMFGTIE GIVTPIVDTF KVRKEILTVI CCLLAFICIGL IFVQRSGNYF VTMFDDYSAT LPLLIVILE NIAVCFVYGI DKFMEDLKDM LGFAPSRYYY YMWKYISPLM LLSLLIASVV NMGLSPPGYN AWIEDKASEE FLSYPTWGLV VCVSLVFAI LPVPVVFIVR RFNLIDDSSG NLASVTYKRG RVLKEPVNLE GDDTSLIHGK IPSEMPSPNF GKNIRKQSG SPTLDTAPNG RYGIGYLMAD IMPDMPESDL

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 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: SLC6A15

Alternative Name: SLC6A15 ([SLC6A15 Products](#))

Background: Sodium-dependent neutral amino acid transporter B(0)AT2 (Sodium- and chloride-dependent neurotransmitter transporter NTT73) (Sodium-coupled branched-chain amino-acid transporter 1) (Solute carrier family 6 member 15) (Transporter v7-3),FUNCTION: Functions as a sodium-dependent neutral amino acid transporter. Exhibits preference for the branched-chain amino acids, particularly leucine, valine and isoleucine and methionine. Can also transport low-affinity substrates such as alanine, phenylalanine, glutamine and pipercolic acid. Mediates the saturable, pH -sensitive and electrogenic cotransport of proline and sodium ions with a stoichiometry of 1:1. May have a role as transporter for neurotransmitter precursors into

Target Details

neurons. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent. {ECO:0000269|PubMed:16226721}.

Molecular Weight: 81.8 kDa

UniProt: [Q9H2J7](#)

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