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Datasheet for ABIN7551629

Slc6a14 Protein (AA 1-642) (His tag)

Overview

Quantity:	1 mg
Target:	Slc6a14
Protein Characteristics:	AA 1-642
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Slc6a14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC6A14 Protein expressed in mammalian cells.
Sequence:	MDKLCPSFF KCREKEKVSA SSENFHVGEN DENQDRGNWS KKSDYLLSMI GYAVGLGNVW RFPYLTYSNG GGAFLIPYAI MLALAGLPLF FLECSLGQFA SLGPVSVWRI LPLFQGVGIT MVLISIFVTI YYNVIIAYSL YYMFASFQSE LPWKNCSWS DKNCRSPIV THCNVSTVNK GIQEIIQMNK SWVDINNFTC INGSEIYQPG QLPSEQYWNK VALQRSSGMN ETGVIVWYLA LCLLLAWLIV GAALFKGIKS SGKVVYFTAL FPYVLLILL VRGATLEGAS KGISYYIGAQ SNFTKLKEAE VWKDAATQIF YLSVAVWGL VALSSYNKFK NNCFSDAIVV CLTNCLTSVF AGFAIFSILG HMAHISGKEV SQVVKSGFDL AFIAYPEALA QLPGGPFWSI LFFMMLTLG LDSQFASJET ITTTIQDLFP KVMKKMRVPI TLGCCLVLF LGLVCVTQAG IYWVHLIDHF CAGWGILIAA ILELVGIIWI YGGRFIEDT EMMIGAKRWI FWLWWRACWF VITPILLIAI FIWSLVQFHR PNYGAIPYPD WGVALGWCMV VFCIIWIPIM AIIKIIQAKG NIFQLISCC RPASNWGPYL EQHRGERYKD MVDPKKEADH EIPTVSGSRK PE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

Product Details

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: Slc6a14

Alternative Name: SLC6A14 ([Slc6a14 Products](#))

Background: Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+) (Amino acid transporter ATB0+) (Solute carrier family 6 member 14),FUNCTION: Amino acid transporter that plays an important role in the absorption of amino acids in the intestinal tract. Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner (PubMed:10446133). Transports non-alpha-amino acids such as beta-alanine with low affinity, and has a higher affinity for dipolar and cationic amino acids such as leucine and lysine (PubMed:18599538). Can also transport carnitine, butyrylcarnitine and propionylcarnitine coupled to the transmembrane gradients of Na(+) and Cl(-) (PubMed:17855766). {ECO:0000250|UniProtKB:Q9JMA9, ECO:0000269|PubMed:10446133,

Target Details

ECO:0000269|PubMed:17855766, ECO:0000269|PubMed:18599538}.

Molecular Weight: 72.2 kDa

UniProt: [Q9UN76](#)

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
