

Datasheet for ABIN7563252
SLC1A2 Protein (AA 1-572) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC1A2
Protein Characteristics:	AA 1-572
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC1A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc1a2 Protein expressed in mammalian cells.
Sequence:	<p>MASTEGANNM PKQVEVRMHD SHLSSDEPKH RNLGMRMCDK LGKNLLLSLT VFGVILGAVC GGLLRASPI HPDVVMLIAF PGDILMRMLK MLILPLIISS LITGLSGLDA KASGRLGTRA MYYMSTTII AAVLGVILVL AIHPGNPKLK KQLGPGKKND EVSSLDAFLD LIRNLFPENL VQACFQQIQT VTKKVLVAPP SEEANTTKAV ISMLNETMNE APEETKIVIK KGLEFKDGMN VLGLIGFFIA FGIAMGKMGE QAKLMVEFFN ILNEIVMKLV IMIMWYSPLG IACLICGKII AIKDLEVVAR QLGMYMITVI VGLIHHGGIF LPLIYFVVTR KNPFSFFAGI FQAWITALGT ASSAGTLPVT FRCLEDNLGI DKRVTRFVLP VGATINMDGT ALYEAVAAIF IAQMNGVILD GGQIVTVSLT ATLASIGAAS IPSAGLVTML LILTAVGLPT EDISLLVAVD WLLDRMRTSV NVVGDSFGAG IVYHLSKSEL DTIDSQHRMQ EDIEMTKTQS IYDDKNHRES NSNQCVYAAH NSVVIDECKV TLAANGKSAD CSVEEEPWKR EK 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>

Product Details

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: SLC1A2

Alternative Name: Slc1a2 ([SLC1A2 Products](#))

Background: Excitatory amino acid transporter 2 (GLT-1) (Sodium-dependent glutamate/aspartate transporter 2) (Solute carrier family 1 member 2),FUNCTION: Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:7698742, PubMed:7557442, PubMed:9373176). Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion. Mediates Cl(-) flux that is not coupled to amino acid transport, this avoids the accumulation of negative charges due to aspartate and Na(+) symport (By similarity). Essential for the rapid removal of released glutamate from the synaptic cleft, and for terminating the postsynaptic action of glutamate (PubMed:9180080). {ECO:0000250|UniProtKB:P43004, ECO:0000269|PubMed:7557442,

Target Details

ECO:0000269|PubMed:7698742, ECO:0000269|PubMed:9180080,
ECO:0000269|PubMed:9373176}.

Molecular Weight: 62.0 kDa

UniProt: [P43006](#)

Pathways: [Dicarboxylic Acid Transport](#)

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