

Datasheet for ABIN7555351

SLC28A2 Protein (AA 1-658) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC28A2
Protein Characteristics:	AA 1-658
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC28A2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC28A2 Protein expressed in mammalian cells.
Sequence:	<p>MEKASGRQSI ALSTVETGTV NPGLELMEKE VEPEGSKRTD AQGHSLGDGL GPSTYQRRSR</p> <p>WPFKARSFC KTHASLFKKI LLGLLCLAYA AYLLAACILN FQRALALFVI TCLVIFVLVH</p> <p>SFLKLLGKK LTRCLKPFEN SRLRLWTKWV FAGVSLVGLI LWLALDTAQR PEQLIPFAGI</p> <p>CMFILILFAC SKHHSVSWR TVFSGGLQF VFGILVIRTD LGYTVFQWLQ EQVQIFLNYT</p> <p>VAGSSFVFGD TLVKDVFAFQ ALPIIFFGC VVSILYYLGL VQWVVQKVAW FLQITMGTTA</p> <p>TETLAVAGNI FVGMTEAPLL IRPYLGDMTL SEIHAVMTGG FATISGTVLG AFIAFGVDAS</p> <p>SLISASVMAA PCALASSKLA YPEVEESKFK SEEGVKLPRG KERNVLEAAS NGAVDAGLA</p> <p>TNVAANLIAF LAVLAFINAA LSWLGELVDI QGLTFQVICS YLLRPMVFMM GVEWTDCPMV</p> <p>AEMVGKFFI NEFVAYQQLS QYKNKRLSGM EEWIEGEKQW ISVRAEIITT FSLCGFANLS</p> <p>SIGITLGGT SIVPHRKSDL SKVVVRALFT GACVSLISAC MAGILYVPRG AEADCVSFPN</p> <p>TSFTNRTYET YMCCRGLFQS TSLNGTNPPS FSGPWEDKEF SAMALTNCCG FYNNTVCA</p>

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SLC28A2

Alternative Name:

SLC28A2 ([SLC28A2 Products](#))

Background:

Sodium/nucleoside cotransporter 2 (Concentrative nucleoside transporter 2) (CNT 2) (hCNT2) (Na⁺)/nucleoside cotransporter 2) (Sodium-coupled nucleoside transporter 2) (Sodium/purine nucleoside co-transporter) (SPNT) (Solute carrier family 28 member 2),FUNCTION: Sodium-dependent and purine-selective transporter (PubMed:9435697, PubMed:10087507). Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine) (PubMed:9435697, PubMed:10087507, PubMed:21795683). Plays a critical role in specific uptake and salvage of purine nucleosides in kidney and other tissues (PubMed:9435697). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). {ECO:0000269|PubMed:10087507, ECO:0000269|PubMed:21795683,

Target Details

	ECO:0000269 PubMed:9435697, ECO:0000305 PubMed:35307651}.
Molecular Weight:	71.9 kDa
UniProt:	O43868

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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