

[Go to Product page](#)

Datasheet for ABIN7562635

SLC6A18 Protein (AA 1-615) (His tag)

Overview

Quantity:	1 mg
Target:	SLC6A18
Protein Characteristics:	AA 1-615
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A18 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc6a18 Protein expressed in mammalian cells.
Sequence:	MAQASGMDPL VDIEDERPKW DNKLQYLLSC IGFAVGLGNI WRFPYLCQTH GGGAFILPYF IALVFEGIPL FYIELAIGQR LRRGSIGVWK TISPYLGGVG LGCFSVSFLV SLYYNTVLLW VLWFFLNSFQ HPLPWSTCPL DLNRTGFVQE CQSSGTVSYF WYRQTLNITS DISNTGTIQW KFLCLVACW STVYLCVIRG IESTGKVIYF TALFPYLVLV IFLIRGLTLP GATEGLIYLF TPNMKTLQNP RVWLDAATQI FFSLSLAFGG HIAFASYNPP RNNCEKDAVI IALVNSMTSL YASIAIFSVM GFKASNDYGR CLDRNLSLI NEFDLPELSI SRDEYPSVLM YLNATQTARV AQLPLKTCHL EDFLDKSASG PGLAFIVFTE AVLHMPGASV WSVLFFGMLF TLGLSSMFGN MEGVITPLLD MGILPKGIPK EVMTGVICFA CFLSAICFTL QSGGYWLEIF DSFAASLNLI IFAFMEVGV IHIYGMKRFC DDIEWMTGRR PGLYWQVTWR VVSPMLLFGI FLSYIVLLIQ TPPSYKAWNP QYEHFPSREE KFYPGWVQVT CVLLSFLPSL WPGVALAQL LSQYQQRWKA THLESGLKLQ ESRGC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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: SLC6A18

Alternative Name: Slc6a18 ([SLC6A18 Products](#))

Background: Sodium-dependent neutral amino acid transporter B(0)AT3 (Sodium- and chloride-dependent transporter XTRP2) (Solute carrier family 6 member 18) (System B(0) neutral amino acid transporter AT3),FUNCTION: Symporter that transports one amino acid molecule together with two sodium and one chloride ions in kidneys and plays a role in the neutral amino acids reabsorption (PubMed:19478081, PubMed:26240152, PubMed:20377526). Preferentially transports neutral amino acids such as L-glycine and L-alanine but also other neutral amino acids (PubMed:19478081, PubMed:26240152, PubMed:20377526). Required CLTRN for cell surface expression and for its amino acid transporter activity (PubMed:26240152, PubMed:20377526). The transport mechanism is pH-independent (PubMed:19478081). {ECO:0000269|PubMed:19478081, ECO:0000269|PubMed:20377526,

Target Details

ECO:0000269|PubMed:26240152}.

Molecular Weight: 69.2 kDa

UniProt: [O88576](#)

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