

Datasheet for ABIN7555431
SLC6A19 Protein (AA 1-634) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC6A19
Protein Characteristics:	AA 1-634
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A19 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC6A19 Protein expressed in mammalien cells.
Sequence:	MVRLVLPNPG LDARIPSLAE LETIEQEEAS SRPKWDNKAQ YMLTCLGFCV GLGNVWRFPY LCQSHGGGAF MIPFLILLVL EGIPLLYLEF AIGQLRRGS LGWSSSIHPA LKGLGLASML TSFMVGLYYN TIISWIMWYL FNSFQEPLPW SDCPLNENQT GYVDECARSS PVDYFWYRET LNISTSISDS GSIQWWMLLC LACAWSVLYM CTIRGIETT G KAVYITSTLP YVLTIFLIR GLTLKGATNG IVFLFTPNT ELAQDPTWLD AGAQVFFSFS LAFGGLISFS SYN SVHNNCE KDSVIVSIIN GFTSVYVAIV VYSVIGFRAT QRYDDCFSTN ILTLINGFDL PEGNVTQENF VDMQQRNAS DPAAYAQLVF QTCDINAFLS EAVEGTGLAF IVFTEAITKM PLSPLWSVLF FIMLFCLGLS SMFGNMEGVV VPLQDLRVIP PKWPKEVLTG LICLGTFLIG FIFTLNSGQY WLSLLDSYAG SIPLLIIFAF EMFSVVYVYG VDRFNKDIEF MIGHKPNIFW QVTWRVVSPL LMLIIFLFFF VVEVSQELTY SIWDPGYEEF PKSQKISYPN WYVVVVIVA GVPSTIPGY AIYKLIRNHC QKPGDHQGLV STLSTASMNG DLKY 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:

SLC6A19

Alternative Name:

SLC6A19 ([SLC6A19 Products](#))

Background:

Sodium-dependent neutral amino acid transporter B(0)AT1 (Solute carrier family 6 member 19) (System B(0) neutral amino acid transporter AT1),FUNCTION: Transporter that mediates resorption of neutral amino acids across the apical membrane of renal and intestinal epithelial cells (PubMed:15286787, PubMed:15286788, PubMed:18424768, PubMed:18484095, PubMed:19185582, PubMed:26240152). This uptake is sodium-dependent and chloride-independent (PubMed:15286787, PubMed:19185582, PubMed:15286788). Requires CLTRN in kidney or ACE2 in intestine for cell surface expression and amino acid transporter activity (PubMed:19185582, PubMed:18424768). {ECO:0000269|PubMed:15286787, ECO:0000269|PubMed:15286788, ECO:0000269|PubMed:18424768, ECO:0000269|PubMed:18484095, ECO:0000269|PubMed:19185582,

Target Details

ECO:0000269|PubMed:26240152}.

Molecular Weight: 71.1 kDa

UniProt: [Q695T7](#)

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