

Datasheet for ABIN7563125
SLC2A3 Protein (AA 1-493) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC2A3
Protein Characteristics:	AA 1-493
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC2A3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Slc2a3 Protein expressed in mammalian cells.
Sequence:	MGTTKVTPSL VFAVTVATIG SFQFGYNTGV INAPETILKD FLNYTLEERL EDLPSEGLLT ALWSLCVAIF SVGGMIGSFS VGLFVNRFGR RNSMLLVNLL AIIAGCLMGF AKIAESVEML ILGRLLIGIF CGLCTGFVPM YIGEVSPAL RGAFTLNQL GIVVGILVAQ IFGLDFILGS EELWPGLLGL TIIPAILQSA ALPFCPESPR FLLINKKEED QATEILQRLW GTSDVVQEIQ EMKDESVRMS QEKQVTVLEL FRSPNYVQPL LISIVLQLSQ QLSGINAVFY YSTGIFKDAG VQEPIYATIG AGVNTIFTV VSLFLVERAG RRTLHMIGLG GMAVCSVFMT ISLLLKDDYE AMSFVCIVAI LIYVAFFEIG PGPIPWFIWA ELFSQGPRPA AIAVAGCCNW TSNFLVGMLF PSAAAYLGAY VFIIFAAFLI FFLIFTFFKV PETKGRTFED IARAFEGQAH SGKGPAGVEL NSMQPVKETP GNA 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.

Product Details

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:

SLC2A3

Alternative Name:

Slc2a3 ([SLC2A3 Products](#))

Background:

Solute carrier family 2, facilitated glucose transporter member 3 (Glucose transporter type 3, brain) (GLUT-3), FUNCTION: Facilitative glucose transporter (PubMed:35810171). Can also mediate the uptake of various other monosaccharides across the cell membrane (By similarity). Mediates the uptake of glucose, 2-deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (By similarity). Does not mediate fructose transport (By similarity). Required for mesendoderm differentiation (PubMed:35810171). {ECO:0000250|UniProtKB:P11169, ECO:0000269|PubMed:35810171}.

Molecular Weight:

53.5 kDa

UniProt:

[P32037](#)

Pathways:

[Warburg Effect](#)

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.
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Restrictions:	For Research Use only
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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