

Datasheet for ABIN7554046

SLC2A2 Protein (AA 1-524) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC2A2
Protein Characteristics:	AA 1-524
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC2A2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC2A2 Protein expressed in mammalian cells.
Sequence:	<p>MTEDKVTGTL VFTVITAVLG SFQFGYDIGV INAPQQVIIS HYRHVLGVPL DDRKAINNYV</p> <p>INSTDELPTI SYSMNPKPTP WAEETVAAA QLITMLWSLS VSSFAVGGMT ASFFGGWLGD</p> <p>TLGRIKAMLV ANILSLVGAL LMGFSKLGPS HILIIAGRSI SGLYGLISG LVPMYIGEIA</p> <p>PTALRGALGT FHQLAIVTGI LISQIIGLEF ILGNYDLWHI LLGLSGVRAI LQSLLLFFCP ESPRYLYIKL</p> <p>DEEVKAKQSL KRLRGYDDVT KDINEMRKER EEASSEQKVS IIQLFTNSSY RQPILVALML</p> <p>HVAQQFSGIN GIFYYSTSIF QTAGISKPVY ATIGVGAVNM VFTAVSVFLV EKAGRRSLFL</p> <p>IGMSGMFVCA IFMSVGLVLL NKFSWMSYVS MIAIFLVSF FEIGPGPIW FMVAEFFSQG</p> <p>PRPAALIAA FSNWTCNFIV ALCFQYIADF CGPYVFFLFA GVLLAFTLFT FFKVPETKKG</p> <p>SFEEIAAEFQ KKSGSAHRPK AAVEMKFLGA TETV Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p>

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:

SLC2A2

Alternative Name:

SLC2A2 ([SLC2A2 Products](#))

Background:

Solute carrier family 2, facilitated glucose transporter member 2 (Glucose transporter type 2, liver) (GLUT-2), FUNCTION: Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose (PubMed:8027028, PubMed:16186102, PubMed:23396969, PubMed:28083649, PubMed:8457197). Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells, may comprise part of the glucose-sensing mechanism of the beta cell (PubMed:8027028). May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney (PubMed:3399500). Also able to mediate the transport of dehydroascorbate (PubMed:23396969). {ECO:0000269|PubMed:16186102, ECO:0000269|PubMed:23396969, ECO:0000269|PubMed:28083649, ECO:0000269|PubMed:3399500, ECO:0000269|PubMed:8027028, ECO:0000269|PubMed:8457197}.

Target Details

Molecular Weight:	57.5 kDa
UniProt:	P11168
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.
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