

Datasheet for ABIN7562872

SLC2A2 Protein (AA 1-523) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC2A2
Protein Characteristics:	AA 1-523
Origin:	Mouse
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>MSEDKITGTL AFTVFTAVLS SFQFGYDIGV INAPQEVIIS HYRHVLGVPL DDRKAAINYD</p> <p>VNGTDTPLTV TPAYTTPAPW DEEETEGSAH IVTMLWSLSV SSFAVGGMVA SFFGGWLGDK</p> <p>LGRIKAMLAA NSLSLTGALL MGCSKFGPAH ALIAGRSVS GLYCLISGL VPMYIGEIAP</p> <p>TTLRGALGTL HQLALVTGIL ISQIAGLSFI LGNQDHHWIL LGLSAVPALL QCLLLFCPE</p> <p>SPRYLYIKLE EEVRAKSLK RLRGTEDVTK DINEMKKEKE EASTEQKVSQ IQLFTDANYR</p> <p>QPILVALMLH MAQQFSGING IFYYSTSIFQ TAGISQPVYA TIGVGAINMI FTAHSVLLVE</p> <p>KAGRRTLFLT GMIGMFFCTI FMSVGLVLLD KFAWMSYVSM TAIFLVSFF EIGPGPIPIWF</p> <p>MVAEFFSQGP RPTALALAAF SNWVCNFVIA LCFQYIADFL GPYVFFLFAG VVLVFTLFTF</p> <p>FKVPETKGKS FEEIAAEFRK KSGSAPPRKA AVQMEFLASS ESV 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</p>

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:

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. 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. May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney. Also able to mediate the transport of dehydroascorbate. {ECO:0000250|UniProtKB:P11168}.

Molecular Weight:

57.1 kDa

UniProt:

[P14246](#)

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