

Datasheet for ABIN7554054

SLC2A3 Protein (AA 1-496) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC2A3
Protein Characteristics:	AA 1-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC2A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC2A3 Protein expressed in mammalian cells.
Sequence:	<p>MGTQKVTPAL IFAITVATIG SFQFGYNTGV INAPEKIIKE FINKTLTDKG NAPPSEVLLT</p> <p>SLWSLSVAIF SVGGMIGSFS VGLFVNRFGR RNSMLIVNLL AVTGGCFMGL CKVAKSVEML</p> <p>ILGRLVIGLF CGLCTGFVPM YIGISPTAL RGAFGTLNQL GIVVGILVAQ IFGLEFILGS EELWPLLLGF</p> <p>TILPAILQSA ALPFCPESPR FLLINRKEEE NAKQILQRLW GTQDVSQDIQ EMKDESARMS</p> <p>QEKQVTVLEL FRVSSYRQPI IISIVLQLSQ QLSGINAVFY YSTGIFK DAG VQEPIYATIG AGVNTIFTV</p> <p>VSLFLVERAG RRTLHMIGLG GMAFCSTLMT VSLLLKDNYN GMSFVCIGAI LVFVAFFEIG</p> <p>PGPIPWFIWA ELFSQGPRPA AMAVAGCSNW TSNFLVGLLF PSAAHYLGAY VFIIFTGFLI</p> <p>TFLAFTFFKV PETRGRTFED ITRAFEGQAH GADRSKGDGV MEMNSIEPAK ETTTNV Sequence</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

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:9477959, PubMed:26176916). Can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed:9477959, PubMed:26176916). Mediates the uptake of glucose, 2-deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed:9477959, PubMed:26176916). Does not mediate fructose transport (PubMed:9477959, PubMed:26176916). Required for mesendoderm differentiation (By similarity). {ECO:0000250|UniProtKB:P32037, ECO:0000269|PubMed:26176916, ECO:0000269|PubMed:8457197, ECO:0000269|PubMed:9477959}.

Molecular Weight:

53.9 kDa

UniProt:

[P11169](#)

Target Details

Pathways: [Warburg Effect](#)

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