

Datasheet for ABIN7554047
SLC2A5 Protein (AA 1-501) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC2A5
Protein Characteristics:	AA 1-501
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC2A5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC2A5 Protein expressed in mammalian cells.
Sequence:	<p>MEQQDQSMKE GRLTLVLALA TLIAAFGSSF QYGYNVAAVN SPALLMQQFY NETYYGRTGE FMEDFPLTLL WSVTVSMFPP GGFIGSLLVG PLVKNKFRKG ALLFNNIFSI VPAILMGCSR VATSFELIII SRLLVGICAG VSSNVVPMYL GELAPKNLRG ALGVVPQLFI TVGILVAQIF GLRNLLANVD GWPILLGLTG VPAALQLLLL PFFPESPRYL LIQKKDEAAA KKALQTLRGW DSVDREVAEI RQEDEAEKAA GFISVLKLFMRSLRWQLLS IIVLMGGQQL SGVNAIYYA DQIYLSAGVP EEHVQYVTAG TGAVNVVMTF CAVFVVELLG RRLLLLLGFS ICLIAACVLT AALALQDVS WMPYISIVCV ISYVIGHALG PSPIPALLIT EIFLQSSRPS AFMVGGSVHW LSNFTVGLIF PFIQEGLGPY SFIVFAVICL LTTIYIFLIV PETKAKTFIE INQIFTKMNK VSEVYPEKEE LKELPPVTSE Q</p> <p>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.</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:

SLC2A5

Alternative Name:

SLC2A5 ([SLC2A5 Products](#))

Background:

Solute carrier family 2, facilitated glucose transporter member 5 (Fructose transporter) (Glucose transporter type 5, small intestine) (GLUT-5),FUNCTION: Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:8333543, PubMed:16186102, PubMed:28083649, PubMed:17710649, PubMed:29548810). Can mediate the uptake of 2-deoxyglucose, but with low efficiency (PubMed:1695905). Essential for fructose uptake in the small intestine (By similarity). Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose (By similarity). Required for the development of high blood pressure in response to high dietary fructose intake (By similarity). {ECO:0000250|UniProtKB:Q9WV38, ECO:0000269|PubMed:16186102, ECO:0000269|PubMed:1695905, ECO:0000269|PubMed:17710649, ECO:0000269|PubMed:28083649, ECO:0000269|PubMed:29548810, ECO:0000269|PubMed:8333543}.

Target Details

Molecular Weight: 55.0 kDa

UniProt: [P22732](#)

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