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Datasheet for ABIN7553961

SLC37A4 Protein (AA 1-429) (His tag)

Overview

Quantity:	1 mg
Target:	SLC37A4
Protein Characteristics:	AA 1-429
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC37A4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC37A4 Protein expressed in mammalien cells.
Sequence:	MAAQGYGYR TVIFSAMFGG YSLYYFNKRT FSFVMPSLVE EIPLDKDDLG FITSSQSAAY AISKFVSGVL SDQMSARWLF SSGLLLVLV NIFFAWSSTV PVFAALWFLN GLAQGLGWPP CGKVLKWF E PSQFGTWWAI LSTSMNLAGG LGPILATILA QSYSWRSTLA LSGALCVVVS FLCLLLIHNE PADVGLRNLD PMPSEGKKGS LKEESTLQEL LLSPYLWVLS TGYLWVFGVK TCCTDWGQFF LIQEKQSAL VGSSYMSALE VGGLVGSIAA GYLSDRAMAK AGLSNYGNPR HGLLLFMMAG MTVSMYLFVR TVTSDSPKLW ILVLGAVFGF SSYGPALFG VIANESAPPN LCGTSHAIVG LMANVGGFLA GLPFSTIAKH YSWSTAFWWA EVICAASTAA FFLLRNIRTK MGRVSKKAE 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.
Characteristics:	Key Benefits:

Product Details

- 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: SLC37A4

Alternative Name: SLC37A4 ([SLC37A4 Products](#))

Background: Glucose-6-phosphate exchanger SLC37A4 (Glucose-5-phosphate transporter) (Glucose-6-phosphate translocase) (Solute carrier family 37 member 4) (Transformation-related gene 19 protein) (TRG-19),FUNCTION: Inorganic phosphate and glucose-6-phosphate antiporter of the endoplasmic reticulum. Transports cytoplasmic glucose-6-phosphate into the lumen of the endoplasmic reticulum and translocates inorganic phosphate into the opposite direction (PubMed:33964207). Forms with glucose-6-phosphatase the complex responsible for glucose production through glycogenolysis and gluconeogenesis. Hence, it plays a central role in homeostatic regulation of blood glucose levels. {ECO:0000269|PubMed:10026167, ECO:0000269|PubMed:21949678, ECO:0000269|PubMed:33964207}.

Molecular Weight: 46.4 kDa

UniProt: [O43826](#)

Pathways: [Carbohydrate Homeostasis](#), [Cellular Glucan Metabolic Process](#)

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
