

Datasheet for ABIN7547901
SLC37A1 Protein (AA 1-533) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC37A1
Protein Characteristics:	AA 1-533
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC37A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC37A1 Protein expressed in mammalian cells.
Sequence:	MARLPAGIRF IISFSRDQWY RAFIFILTFL LYASFHLSRK PISIVKGELH KYCTAWDEAD VRFSSQNRKS GSAAPHQLPD NETDCGWAPF DKNNYQQLG ALDYSFLCAY AVGMVLSGII GERLPIRYYL TFGMLASGAF TALFGLGYFY NIHSFGFYVW TQVINGLVQT TGWPSVVTCL GNWFGKGRRG LIMGVWNSHT SVGNILGSLI AGYWVSTCWG LSFVVPGAIV AAMGIVCFLF LIEHPNDVRC SSTLVTHSKG YENGTNRLRL QKQILKSEKN KPLDPEMQCL LLSDGKGSIH PNHVVILPGD GSGGTAAISF TGALKIPGVI EFSLCLLFAK LVSYTFLFWL PLYITNVDHL DAKKAGELST LFDVGGIFGG ILAGVISDRL EKRASTCGLM LLLAAPTLYI FSTVSKMGLE ATIAMLLLSG ALVSGPYTLI TTAVSADLGT HKSLKGNAHA LSTVTAIDG TGSVGAALGP LLAGLLSPSG WSNVIFYMLMF ADACALLFLI RLIHKELSCP GSATGDQVPF KEQ 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.

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different 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: SLC37A1

Alternative Name: SLC37A1 ([SLC37A1 Products](#))

Background: Glucose-6-phosphate exchanger SLC37A1 (Glycerol-3-phosphate permease) (G-3-P permease) (Solute carrier family 37 member 1),FUNCTION: Inorganic phosphate and glucose-6-phosphate antiporter. May transport cytoplasmic glucose-6-phosphate into the lumen of the endoplasmic reticulum and translocate inorganic phosphate into the opposite direction. Independent of a luminal glucose-6-phosphatase. May not play a role in homeostatic regulation of blood glucose levels. {ECO:0000269|PubMed:21949678}.

Molecular Weight: 57.6 kDa

UniProt: [P57057](#)

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
