

[Go to Product page](#)

Datasheet for ABIN7556150

SLC30A5 Protein (AA 1-765) (His tag)

Overview

Quantity:	1 mg
Target:	SLC30A5
Protein Characteristics:	AA 1-765
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC30A5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC30A5 Protein expressed in mammalien cells.
Sequence:	MEEKYGGDVL AGPGGGGGLG PVDVPSARLT KYIVLLCFTK FLKAVGLFES YDLLKAVHIV QFIFILKLG T AFFMVL FQKP FSSGKTITKH QWIKIFKHAV AGCIISLLWF FGLTLCGPLR TLLLF EHS DI VVISLLSVLF TSSGGGPAKT RGAFFIIAV ICLLLFDNDD LMAKMAEHPE GHHDSAL THM LYTAIAFLGV ADHKGGVLLL VLALCCKVGF HTASRKLSDV VGGAKRLQAL SHLVS VLLLC PWVIVLSVTT ESKVESWFSL IMPFATV IFF VMILDFYVDS ICSVKMEVSK CARYGSFPIF ISALLFGNFW THPITDQLRA MNKAAHQEST EHVLSGGVVV SAIFFILSAN ILSSPSKRGQ KGTLIGYSPE GTPLYNFMGD AFQHSSQSIP RFIKESLKQI LEESDSRQIF YFLCLNLLFT FVELFYGVLT NSLGLISDGF HMLFDCSALV MGLFAALMSR WKATRIFSYG YGRIEILSGF INGLFLIVIA FFFVMESVAR LIDPPELDTH MLTPVSVGGL IVNLIGICAF SHAHSHAHGA SQGSCHSSDH SHSHMHGHS DHGHGHS HGS AGGGMNANMR GVFLHVLADT LGSIGVIVST VLIEQGF WFI ADPLCSL FIA ILIFLSV VPL IKDACQVLLL RLPPEYEKEL HIALEKIQKI

Product Details

EGLISYRDPH FWRHSASIVA GTIHIQVTS D VLEQRIVQQV TGILKDAGVN NLTIQVEKEA

YFQHMSGLST GFHDVLAMTK QMESMKYCKD GTYIM **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:

- 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:

SLC30A5

Alternative Name:

SLC30A5 ([SLC30A5 Products](#))

Background:

Proton-coupled zinc antiporter SLC30A5 (Solute carrier family 30 member 5) (Zinc transporter 5) (ZnT-5) (ZnT-like transporter 1) (hZTL1),FUNCTION: Together with SLC30A6 forms a functional proton-coupled zinc ion antiporter mediating zinc entry into the lumen of organelles along the secretory pathway (PubMed:11904301, PubMed:15525635, PubMed:15994300, PubMed:19366695, PubMed:22529353). By contributing to zinc ion homeostasis within the early secretory pathway, regulates the activation and folding of enzymes like alkaline phosphatases and enzymes involved in phosphatidylinositol glycan anchor biosynthesis (PubMed:15525635, PubMed:15994300, PubMed:16636052, PubMed:35525268). Through the

Target Details

transport of zinc into secretory granules of pancreatic beta-cells, plays an important role in the storage and secretion of insulin (PubMed:11904301). {ECO:0000269|PubMed:11904301, ECO:0000269|PubMed:15525635, ECO:0000269|PubMed:15994300, ECO:0000269|PubMed:16636052, ECO:0000269|PubMed:19366695, ECO:0000269|PubMed:22529353, ECO:0000269|PubMed:35525268}., FUNCTION: [Isoform 2]: Zinc ion:proton antiporter mediating influx and efflux of zinc at the plasma membrane. {ECO:0000269|PubMed:11937503, ECO:0000269|PubMed:17355957}.

Molecular Weight: 84.0 kDa

UniProt: [Q8TAD4](#)

Pathways: [Peptide Hormone Metabolism](#), [Transition Metal Ion Homeostasis](#), [Proton Transport](#)

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