

Datasheet for ABIN7545841

SLC30A8 Protein (AA 1-369) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC30A8
Protein Characteristics:	AA 1-369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC30A8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC30A8 Protein expressed in mammalian cells.
Sequence:	<p>MEFLERTYLV NDKAAKMYAF TLESVELQQK PVNKDQCPRE RPEELES GGM YHCHSGSKPT EKGANEYAYA KWKLCASAI CFIFMIAEVV GGHIAGSLAV VTDAAHLLID LTSFLLSLFS LWLSSKPPSK RLTFGWHRAE ILGALLSILC IWVVTGVLVY LACERLLYPD YQIQATVMII VSSCAVAANI VLTVV LHQRC LGHNHKEVQA NASVRAAFVH ALGDLFQ SIS VLISALIIF KPEYKIADPI CTFIFSILVL ASTITILKDF SILLMEGV PK SLNYSGVKEL ILAVDGVLSV HSLHIWSLTM NQVILSAHVA TAASRDSQVV RREIAKALSK SFTMHSLTIQ MESPVDQDPD CLFCEDPCD</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 isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SLC30A8
Alternative Name:	SLC30A8 (SLC30A8 Products)
Background:	Proton-coupled zinc antiporter SLC30A8 (Solute carrier family 30 member 8) (Zinc transporter 8) (ZnT-8),FUNCTION: Proton-coupled zinc ion antiporter mediating the entry of zinc into the lumen of pancreatic beta cell secretory granules, thereby regulating insulin secretion. {ECO:0000269 PubMed:15331542, ECO:0000269 PubMed:16984975, ECO:0000269 PubMed:27875315, ECO:0000269 PubMed:32723473}.
Molecular Weight:	40.8 kDa
UniProt:	Q8IWU4
Pathways:	Positive Regulation of Peptide Hormone Secretion , Hormone Transport , Carbohydrate Homeostasis , Transition Metal Ion Homeostasis

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.
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Application Details

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