

Datasheet for ABIN7560482
SLC31A2 Protein (AA 1-143) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC31A2
Protein Characteristics:	AA 1-143
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC31A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc31a2 Protein expressed in mammalian cells.
Sequence:	MPMHFIFSDE AVLLDFDWRV HSPTGMALSV LVVLLAVLY EGIKVGKAKL LHKLTLESLPA TNSQQFILGP DQDSTGSRST SDNRTRLRWF LCYFGQSLVH VIQVVIGYFV MLAVMSYNTW IFLGWVLGSA VGYLAYPLL NMT 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.
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: <ul style="list-style-type: none">• 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.

Product Details

- 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:	SLC31A2
Alternative Name:	Slc31a2 (SLC31A2 Products)
Background:	Protein SLC31A2 (Copper transporter 2) (CTR2) (Solute carrier family 31 member 2),FUNCTION: Does not function as a copper(1+) importer in vivo (PubMed:24167251). However, in vitro functions as a low-affinity copper(1+) importer (By similarity). Regulator of SLC31A1 which facilitates the cleavage of the SLC31A1 ecto-domain or which stabilizes the truncated form of SLC31A1 (Truncated CTR1 form), thereby drives the SLC31A1 truncated form-dependent endosomal copper export and modulates the copper and cisplatin accumulation via SLC31A1 (PubMed:24167251). {ECO:0000250 UniProtKB:O15432, ECO:0000269 PubMed:24167251}.
Molecular Weight:	16.1 kDa
UniProt:	Q9CPU9

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