

Datasheet for ABIN7545904  
**SLC41A3 Protein (AA 1-507) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC41A3
Protein Characteristics:	AA 1-507
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC41A3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC41A3 Protein expressed in mammalian cells.
Sequence:	<p>MDGTETRQRR LDSCGKPGEL GLPHPLSTGG LPVASEDGAL RAPESQSVTP KPLETEPSRE TTWSIGLQVT VPFMFAGLGL SWAGMLLDYF QHWPVFVEVK DLLTLVPPLV GLKGNLEMTL ASRLSTAANT GQIDDPQEQH RVISSNLALI VQQATVVGLL AAVAALLLGV VSREEVDVAK VELLCASSVL TAFLAAFALG VLMVCIVIGA RKLGVNPDNI ATPIAASLGD LITLSILALV SSFFYRHKDS RYLTPLVCLS FAALTPVWVL IAKQSPPIVK ILKFGWFPII LAMVISSFGG LILSKTVSKQ QYKGMAIFTP VICGVGGNLV AIQTSRISTY LHMWSAPGVL PLQMKKFWPN PCSTFCTSEI NSMSARVLLL LVVPGHLIFF YIIYLVEGQS VINSQTFVVL YLLAGLIQVT ILLYLAEVMV RLTWHQALDP DNHCIPLYLTG LGDLLGSSSV GHAAVPRRC TASPGWGLIQ PFICTQHLIV SLLSFYFPFC LLAKTSI <b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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

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### Target:

SLC41A3

### Alternative Name:

SLC41A3 ([SLC41A3 Products](#))

### Background:

Solute carrier family 41 member 3,FUNCTION: Na(+)/Mg(2+) ion exchanger that acts as a predominant Mg(2+) efflux system at the mitochondrial inner membrane.  
{ECO:0000269|PubMed:27302215}.

### Molecular Weight:

54.8 kDa

### UniProt:

[Q96GZ6](#)

## Application Details

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### 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

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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