

Datasheet for ABIN7558745

## SLC7A4 Protein (AA 1-635) (His tag)



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### Overview

Quantity:	1 mg
Target:	SLC7A4
Protein Characteristics:	AA 1-635
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC7A4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Slc7a4 Protein expressed in mammalian cells.
Sequence:	<p>MARGLPSTAC LARFCQKLNK LKPLEESSME TSLRRCLSTL DLTLGVLGGM VGSGLYVLTG</p> <p>TVAKDMAGPA VLLSFLVAHV ASLLAALCYA EFGARVPRTG SAYLFTYVSM GEIWAFLIGW</p> <p>NVLLLEYLIGG AAVARAWSGY LDAIFNHSIR NFTESHLGVW QVPFLAHYPD FLAAGILLVA</p> <p>SAFVSCGARV SSWLNHTFSA ISLIVILFII VLGFIARPH NWSAEEGGFA PFGFSGILAG</p> <p>TATCFYAFVG FDVIAASSEE AKNPRWAVPM AIAISLSLAA GAYILVSTVL TLMVPWHSLD</p> <p>PDSALADAFY RRGYSWAGFI VAVGSICAMN TVLLSNLFSL PRIVYAMAAD GLFFQVFARV</p> <p>HPRTQVPVVG ILVFGVLMAL LALLLDLEAL VQFLSIGTLL AYTFVATSII VLRFAQKASPP</p> <p>SSPCLASPGP TAKKYDSFSD HIQLVGAEQT SMSEPGQLRP ALKPFLGFLD GCSPGTAVAW</p> <p>ALGILVASAI SLACVLVFGN SDLHLPQWGY VLLLVISGAV FLSSLLVLGA HQQKKQDQTF</p> <p>QIPLVPLTPA LSILLNTCLM LKLSYLTWLR FIFWLLVGLV VYFGYGIWHS KENQREPLEL</p> <p>TTAHYVVFPS GSLEETVQAV QPSSQSPVRE SGCTE <b>Sequence without tag. The proposed</b></p>

**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

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### Target:

SLC7A4

### Alternative Name:

Slc7a4 ([SLC7A4 Products](#))

### Background:

Cationic amino acid transporter 4 (CAT-4) (CAT4) (Solute carrier family 7 member 4),FUNCTION: Involved in the transport of the cationic amino acids (arginine, lysine and ornithine). {ECO:0000250}.

### Molecular Weight:

68.4 kDa

### UniProt:

[Q8BLQ7](#)

## Application Details

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### 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

Application Details

	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