

Datasheet for ABIN7559004  
**SLC7A14 Protein (AA 1-771) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC7A14
Protein Characteristics:	AA 1-771
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC7A14 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Slc7a14 Protein expressed in mammalien cells.
Sequence:	MSGFLASLDP RRVQWGAAWY AMHSRILRTK PVESMLEGTG T TSAHGTKLA QVLTTVDLIS LGVGSCVGTG MYVVSGLVAK EMAGPGVIVS FIIAAVASIL SGVCYAEFGV RVPKTTGSAY TYSYVTGGEF VAFFIGWNL I LEYLIGTAAG ASALSSMFDS LANHSISRWM VDTVGTNLGL GKGEESYDPL LALVIAVIVT IIVALGVKNS VGFNNVLNVL NLAVVWFIMI AGLFFINGKY WAEGQFLPHG WSGVLQGAAT CFYAFIGFDI IATTGEEAKN PNTSIPYAIT ASLVICLTAY VSVSMIL TLM VPYYAIDTES PLMEMFVAHG FYAAKFVVAI GSVAGLTVSL LGSFLPMPRV IYAMAGDGLL FRFLAHVSSY TETPVVACIV SGFLAALLSL LVSLRDLIEM MSIGTLLAYT LVSVCVLLLR YQPESDIDGF VKFLSEEHTK KKEGILADCE KETCSPVSEG EEFSSPATNT CGAKNLPSLG DNEMLIGKSD KSAYNVNHPN YGTVDMTTGI EADESENIYL IKLKKLIGPR YYTMRIRLGL PGKMDRPTAA TGHTVTICVL LLFILMFIFC SFIIFGSEYI SGQSWWAILL VLMMLLISV LVFVILQPE NPKKLPYMAP CLPFVPAFAM LVNIYMLKL STITWIRFAV

## Product Details

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WCFVGMLIYF GYGIWNSTLE ISAREQALHQ STYQRYDVDD PFSVEEGFSY ATEGESQEDW  
GGPAEDKGFY YQQMSDAKAN SRTSSKAKSK SKHKQNSEAL IANDELDCSP E **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

SLC7A14

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### Alternative Name:

Slc7a14 ([SLC7A14 Products](#))

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### Background:

Solute carrier family 7 member 14 (Gamma-aminobutyric acid transporter SLC7A14),FUNCTION: Imports 4-aminobutanoate (GABA) into lysosomes. May act as a GABA sensor that regulates mTORC2-dependent INS signaling and gluconeogenesis. The transport mechanism and substrate selectivity remain to be elucidated.  
{ECO:0000269|PubMed:36640347}.

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### Molecular Weight:

84.0 kDa

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### UniProt:

[Q8BXR1](#)

## 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 guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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