

Datasheet for ABIN7563822  
**SLC38A10 Protein (AA 1-1090) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC38A10
Protein Characteristics:	AA 1-1090
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC38A10 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Slc38a10 Protein expressed in mammalian cells.
Sequence:	MTAASTSKWG LITNVVNSIV GSVLTMFPC FKQCGIVLGA LLLVFCSWMT HQSCMFLVKS ASLSKRRTYA GLAFHAYGKA GKMLVETSMI GLMLGSCITF YVIGDLGSN FFAPLLGLQV TRTVRVLLF AVSLFIVLPL SLQRNMMASI QSFSAMALLF YTFVMFVIVL SSLKHGLFSG QWLRQVSYIR WEGVFRCVPI FGMSFACQSQ VLPTYDSLDE PSVKTMSSIF ASSLNVVTA YVMVGFFGYV SFTDATTGNV LIHFPSNPVT EMIRVGFVMS VAVGFPMIL PCRQALNTLL FEQQKDGTF AAGGYMPLR FKVLTLVSVF GTMVGGMIP NVETILGFTG ATMGSLICFI CPALIYKKAH KNAPSAQVVL WVGLGILVVS TLTTLSVTEE APLDLTQEAR SGHRGDAEGA MKVEAARLSV QDPVVVAED SQEKLKPAED KEVLEQAQIK GPVDVPGGEA PKEKQEAQQL DRPGQGIAP MGEAHRHEPP IPHDKVVVDE GQDQEGPEEK KPPRRLPDEG DPAGRGQGAP PLPESEKEKQ EPERGGGK R PGQVLAVGET EHPQKVPEAN GQPPVQPRKE DSRPGNRDPQ PAAQARDSVE LKALAADDGR EPAQKAGGAL WKPVESAAES DAGGKAGLPV QRPEAAEQRE KKEAEQGGD QAGSKLEAEI KKLVAEAGRA EMLDHAVLLQ VIEQQVQQK RLLDQQEKLL

## Product Details

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AVIEEQHKEI RQQRQEGEED KPKPADVQPE PGVAVLRGQE EEAHAGETL GDDPSQLQP  
VLGAPRGRPA PSQDMGQHLP GEVKVLPGRD LADLPAGGSE TEPQGAPIDL REDPKAAIKA  
AGAGKELVPG DLEAVHKAAP PEVPKSPEKQ VAKAVAGQRQ DVFEGEGSEER KETGKEAMAP  
GADTQKEAVQ PLVGAEAKDT KSRQSGPTKA PVQTQAKFHP EPQAIFDTGQ GSHPEVRSEA  
PRAVHIPPEE QHKGKGGAAI QEAKQRPDPN SGPKLAVPAG QKPENAKPNR DLKVQAGSDL  
RRRRRDLASH PEQELAPKDG VIISFNLSLPN VQVNDLRSAL DTQLRQAAGA ALQVVHSRQI  
KQLSGDLEEA **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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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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: SLC38A10

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Alternative Name: Slc38a10 ([SLC38A10 Products](#))

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Background: Solute carrier family 38 member 10 (Amino acid transporter SLC38A10),FUNCTION: Facilitates bidirectional transport of amino acids. May act as a glutamate sensor that regulates glutamate-

## Target Details

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glutamine cycle and mTOR signaling in the brain. The transport mechanism remains to be elucidated. {ECO:0000269|PubMed:28593130, ECO:0000269|PubMed:35450293}.

Molecular Weight: 117.2 kDa

UniProt: [Q5I012](#)

## 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