

Datasheet for ABIN7555406  
**SLC38A10 Protein (AA 1-1119) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC38A10
Protein Characteristics:	AA 1-1119
Origin:	Human
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:	MTAAAASNWG LITNIVNSIV GVSVLTMPFC FKQCGIVLGA LLLVFCSWMT HQSCMFLVKS ASLSKRRTYA GLAFHAYGKA GKMLVETSMI GLMLGTClAF YVIGDLGSN FFARLFGFQV GGTFRMFLLF AVSLCIVLPL SLQRNMMASI QSFSAMALLF YTVFMFVIVL SSLKHGLFSG QWLRRVSYVR WEGVFRClPI FGMSFACQSQ VLPTYDSLDE PSVKTMSSIF ASSLNVTTF YVMVGFFGYV SFTEATAGNV LMHFPSNLVT EMLRVGFMMS VAVGFPMML PCRQALSTLL CEQQKDGTF AAGGYMPPLR FKALTLVVVF GTMVGILIP NVETILGLTG ATMGSLICFI CPALIYKKIH KNALSSQVVL WVGLGVLVVS TVTTLSVSEE VPEDLAEELP GGRLGEAEGE MKVEAARLSA QDPVVVAED GREPKLPKE REELEQAQIK GPVDVPGRED GKEAPEEAQL DRPGQGIQAV VGEAHRHEPP VPHDKVVVDE GQDREVPEEN KPPSRHAGGK APGVQGMQMAP PLPDSEREKQ EPEQGEVGR PGQAQALEEA GDLPEDPQKV PEADGQPAVQ PAKEDLPGPD RGLHPRPQAV LSEQQNLAV GGGEKAKGGP PPGNAAGDTG QPAEDSDHGG KPPLPAEKPA PGPGLPPEPR EQRDVERAGG NQAASQLEEA GRAEMLDHAV LLQVIKEQQV QQRLLDQQE

## Product Details

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KLLAVIEEQH KEIHQQRQED EEDKPRQVEV HQEPGAAVPR GQEAPEGKAR ETVENLPPLP  
LDPVLRAPGG RPAPSQDLNQ RSLEHSEGPV GRDPAGPPDG GPDTEPRAAQ AKLRDGQKDA  
APRAAGTVKE LPKGPEQVPV PDPAREAGGP EERLAEFFPG QSQDVTGGSQ DRKKPGKEVA  
ATGTSILKEA NWLVAGPGAE TGDPRMKPKQ VSRDLGLAAD LPGGAEGAAA QPQAVLRQPE  
LRVISDGEQG GQQGHRLDHG GHLEMRKARG GDHVPVSHEQ PRGGEDAAVQ EPRQRPEPEL  
GLKRAVPGGQ RPDNAKPNRD LKLQAGSDLR RRRRDLGPHA EGQLAPRDGV IIGLNPLPDV  
QVNDLRGALD AQLRQAAGGA LQVHRSRQLR QAPGPPEES **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

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## Target Details

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bidirectional transport of amino acids. May act as a glutamate sensor that regulates glutamate-glutamine cycle and mTOR signaling in the brain. The transport mechanism remains to be elucidated. {ECO:0000250|UniProtKB:Q5I012}.

Molecular Weight: 119.8 kDa

UniProt: [Q9HBR0](#)

## 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