

Datasheet for ABIN7558962

## **Solute Carrier Family 38, Member 7 (SLC38A7) (AA 1-463) protein (His tag)**



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### Overview

Quantity:	1 mg
Target:	Solute Carrier Family 38, Member 7 (SLC38A7)
Protein Characteristics:	AA 1-463
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant Slc38a7 Protein expressed in mammalian cells.
Sequence:	<p>MAQVSINSDY SEWASSTDAG ERARLLQSPC VDVVPKSEGE ASPGDPDSGT TSTLGAVFIV VNACLGAGLL NFPAAFSTAG GVAAGIALQM GMLVFIISGL VILAYCSQAS NERTYQEVVW AVCGKLTGVL CEVAIAVYTF GTCIAFLIII GDQQDKIIAV MSKEPDGASG SPWYTDRKFT ISLTAFLFIL PLSIPKEIGF QKYASFLSVV GTWYVTAIII IKYIWPDKEM RPGDILTRPA SWMAVFNAMP TICFGFQCHV SSVPVFNSMR QPEVKTWGGV VTAAMVIALA VYMG TGICGF LTFGAAVDPD VLRSYPSEDV AVAVARAFII LSVLTSYPIL HFCGRAVVEG LWLRYKGM PV EEDVGRERRR RVLQTLVWFL LTL L LALFIP DIGKVISVIG GLAACFIFIF PGLCLIQAKL SEMEEVKPAS WWALVSYGVL LVTLGAFIFG QTTANAIFVD LLA <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:

Solute Carrier Family 38, Member 7 (SLC38A7)

### Alternative Name:

Slc38a7 ([SLC38A7 Products](#))

### Background:

Sodium-coupled neutral amino acid transporter 7 (Solute carrier family 38 member 7),FUNCTION: Symporter that selectively cotransports sodium ions and amino acids, such as L-glutamine and L-asparagine from the lysosome into the cytoplasm and may participates in mTORC1 activation (PubMed:21511949, PubMed:28416685). The transport activity requires an acidic lysosomal lumen (By similarity). {ECO:0000250|UniProtKB:Q9NVC3, ECO:0000269|PubMed:21511949, ECO:0000269|PubMed:28416685}.

### Molecular Weight:

49.9 kDa

### UniProt:

[Q8BWH0](#)

## 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

## Application Details

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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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