

SLC38A7 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5270b**Specification**

SLC38A7 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NVC3](#)**SLC38A7 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 55238**Other Names**

Putative sodium-coupled neutral amino acid transporter 7, Solute carrier family 38 member 7, SLC38A7, SNAT7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC38A7 Antibody (C-term) Blocking Peptide - Protein Information**Name** SLC38A7 ([HGNC:25582](#))**Synonyms** SNAT7**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 participate in mTORC1 activation (PubMed:[28416685](http://www.uniprot.org/citations/28416685)), PubMed:[35561222](http://www.uniprot.org/citations/35561222)). The transport activity requires an acidic lysosomal lumen (PubMed:[28416685](http://www.uniprot.org/citations/28416685)).

Cellular Location

Lysosome membrane; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q8BWH0} Note=In neurons, located in soma. {ECO:0000250|UniProtKB:Q8BWH0}

SLC38A7 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SLC38A7 Antibody (C-term) Blocking Peptide - Images

SLC38A7 Antibody (C-term) Blocking Peptide - Background

SLC38A7 is putative sodium-dependent amino acid/proton antiporter.

SLC38A7 Antibody (C-term) Blocking Peptide - References

Newton-Cheh, C., et al. Nat. Genet. 41(4):399-406(2009)