SLC39A5 Blocking Peptide

PRODUCT OVERVIEW

Product Name	SLC39A5, Blocking Peptide
Full Product Name	SLC39A5 Peptide
Product Gene Name	SLC39A5 blocking peptide
Product Synonym Gene Name	LZT-Hs7; MGC34778; ZIP5
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SLC39A5 peptide (MBS3232194) is used for blocking the activity of SLC39A5 antibody (MBS3207229)
Molecular Weight	56kDa
OMIM	608730
Product Categories/Family for SLC39A5 blocking peptide	Peptide
Applications Tested/Suitable for SLC39A5 blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for SLC39A5 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SLC39A5 antibody made Target Description: Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A5 belongs to a subfamily of proteins that show structural characteristics of zinc transporters.Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A5 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM].
Other Notes	Small volumes of SLC39A5 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC39A5 purchase	MBS3232194 is a blocking peptide targeting SLC39A5. Also known as SLC39A5 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC39A5. It may not necessarily be applicable to this product.

NCBI GI #	206597539
NCBI GeneID	283375
NCBI Accession #	NP_775867
UniProt Primary Accession #	Q6ZMH5
UniProt Related Accession #	Q6ZMH5
GenBank Nucleotide #	NM_173596
NCBI Official Full Name	zinc transporter ZIP5

NCBI Official Synonym Full Names	solute carrier family 39 member 5
NCBI Official Symbol	SLC39A5
NCBI Official Synonym Symbols	ZIP5; MYP24; LZT-Hs7
UniProt Protein Name	Zinc transporter ZIP5
UniProt Synonym Protein Names	Solute carrier family 39 member 5; Zrt- and Irt-like protein 5; ZIP-5
Protein Family	Zinc transporter
UniProt Gene Name	SLC39A5
UniProt Synonym Gene Names	ZIP5; ZIP-5
UniProt Entry Name	S39A5_HUMAN
NCBI Protein Information	zinc transporter ZIP5
NCBI Summary for SLC39A5	The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]
UniProt Comments for SLC39A5	SLC39A5: May play a role in polarized cells by carrying out serosal-to-mucosal zinc transport. Seems to play a central role in controlling organismal zinc status. Belongs to the ZIP transporter (TC 2.A.5) family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Transporter, SLC family; Transporter Chromosomal Location of Human Ortholog: 12q13.3 Cellular Component: basolateral plasma membrane; integral to membrane Molecular Function: metal ion transmembrane transporter activity Biological Process: positive regulation of nuclear mRNA splicing, via spliceosome; BMP signaling pathway; eye development; zinc ion transport; transmembrane transport Disease: Myopia 24, Autosomal Dominant
Research Articles on SLC39A5	**1.** we found that downregulation of ZIP5 by RNA interference inhibited esophageal cancer growth in vivo, reduced the expression of COX2, and promoted the expression of E-cadherin.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/slc39a5/3232194