SPNS2 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SPNS2, Blocking Peptide
Full Product Name	SPNS2 Peptide - N-terminal region
Product Gene Name	SPNS2 blocking peptide
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	SPNS2 peptide (MBS3237487) is used for blocking the activity of SPNS2 antibody (MBS3212540)
Molecular Weight	60kDa
OMIM	612584
Product Categories/Family for SPNS2 blocking peptide	Peptide
Applications Tested/Suitable for SPNS2 blocking peptide	Western Blot (WB)
Related Product Information for SPNS2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SPNS2 antibody made Target Description: SPNS2 is the sphingolipid transporter required for migration of myocardial precursors. SPNS2 transports sphingosine 1-phosphate (S1P), a secreted lipid mediator that plays critical roles in cardiovascular, immunological, and neural development and function. SPNS2 mediates the export of S1P from cells in the extraembryonic yolk syncytial layer (YSL), thereby regulating myocardial precursor migration.
Other Notes	Small volumes of SPNS2 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 SPNS2 purchase	MBS3237487 is a blocking peptide targeting SPNS2. Also known as SPNS2 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPNS2. It may not necessarily be applicable to this product.

NCBI GI #	185136021
NCBI GeneID	124976
NCBI Accession #	NP_001118230
UniProt Primary Accession #	Q8IVW8
UniProt Related Accession #	Q8IVW8
GenBank Nucleotide #	NM_001124758
NCBI Official Full Name	protein spinster homolog 2
NCBI Official Synonym Full Names	sphingolipid transporter 2
NCBI Official Symbol	SPNS2
UniProt Protein Name	Protein spinster homolog 2

Protein Family	Protein spinster
UniProt Gene Name	SPNS2
UniProt Entry Name	SPNS2_HUMAN
NCBI Protein Information	protein spinster homolog 2
NCBI Summary for SPNS2	The protein encoded by this gene is a transporter of sphingosine 1-phosphate, a secreted lipid that is important in cardiovascular, immunological, and neural development. Defects in this gene are a cause of early onset progressive hearing loss. [provided by RefSeq, Jul 2016]
UniProt Comments for SPNS2	SPNS2: Sphingolipid transporter required for migration of myocardial precursors. Transports sphingosine 1-phosphate (S1P), a secreted lipid mediator that plays critical roles in cardiovascular, immunological, and neural development and function. Mediates the export of S1P from cells in the extraembryonic yolk syncytial layer (YSL), thereby regulating myocardial precursor migration. Belongs to the major facilitator (TC 2.A.1) superfamily. Spinster (TC 2.A.1.49) family. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 17p13.2 Cellular Component: integral to membrane; lysosomal membrane; vesicle Molecular Function: sphingolipid transporter activity Biological Process: B cell homeostasis; lipid transport; locomotion; lymph node development; regulation of eye pigmentation; regulation of humoral immune response; sphingolipid metabolic process; T cell homeostasis; transmembrane transport
Research Articles on SPNS2	**1.** our data demonstrate that Spns2 and S1P have a crucial effect on proximal tubular epithelial cells by regulating an inflammatory process and a subsequent fibrotic reaction, and also by influencing other tubular transporters that are involved in the pathophysiology of inflammatory and fibrotic kidney diseases.
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/spns2/3237487