S35B2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	S35B2 (SLC35B2), Blocking Peptide
Full Product Name	S35B2 Antibody (C-term) Blocking peptide
Product Gene Name	SLC35B2 blocking peptide
Product Synonym Gene Name	PAPST1
Product Synonym Names	Adenosine 3'-phospho 5'-phosphosulfate transporter 1; PAPS transporter 1; Putative MAPK-activating protein PM15; Putative NF-kappa-B-activating protein 48; Solute carrier family 35 member B2; SLC35B2; PAPST1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	S35B2 peptide (MBS9217391) is used for blocking the activity of S35B2 antibody (MBS9214179)
Molecular Weight	32,664 Da
OMIM	610788
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein
Tissue Location	Highly expressed in the placenta, pancreas, mammary gland and skeletal muscle. Weakly or not expressed in colon, heart and prostate.
Related Product Information for SLC35B2 blocking peptide	Mediates the transport of adenosine 3'-phospho 5'- phosphosulfate (PAPS), from cytosol into Golgi. PAPS is a universal sulfuryl donor for sulfation events that take place in the Golgi. May indirectly participate in activation of the NF- kappa-B and MAPK pathways.
Other Notes	Small volumes of SLC35B2 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 SLC35B2 purchase	MBS9217391 is a blocking peptide targeting SLC35B2. Also known as S35B2 Antibody (C-term) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC35B2. It may not necessarily be applicable to this product.

NCBI GI #	30026034
NCBI GeneID	347734
NCBI Accession #	NP_835361.1
UniProt Primary Accession #	Q8TB61
UniProt Secondary Accession #	Q2VY06; Q53GA3; Q5T9W1; Q5T9W2; Q7Z2G3; Q8NBK6; Q96AR6; B4DDM2; B4DDU9; F5H7Y9
UniProt Related Accession #	Q8TB61
GenBank Nucleotide #	NM_178148.3
NCBI Official Full Name	adenosine 3'-phospho 5'-phosphosulfate transporter 1 isoform a
NCBI Official Synonym Full Names	solute carrier family 35 member B2

NCBI Official Symbol	SLC35B2
NCBI Official Synonym Symbols	SLL; PAPST1; UGTrel4
UniProt Protein Name	Adenosine 3'-phospho 5'-phosphosulfate transporter 1
UniProt Synonym Protein Names	PAPS transporter 1; Putative MAPK-activating protein PM15; Putative NF-kappa-B-activating protein 48; Solute carrier family 35 member B2
UniProt Gene Name	SLC35B2
UniProt Synonym Gene Names	PAPST1
UniProt Entry Name	S35B2_HUMAN
NCBI Protein Information	adenosine 3'-phospho 5'-phosphosulfate transporter 1
NCBI Summary for SLC35B2	Sulfotransferases (e.g., SULT4A1; MIM 608359) use an activated form of sulfate, 3-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS), as a common sulfate donor for sulfation of glycoproteins, proteoglycans, and glycolipids in the endoplasmic reticulum and Golgi apparatus. SLC35B2 is located in the microsomal membrane and transports PAPS from the cytosol, where it is synthesized, into the Golgi lumen (Kamiyama et al., 2003 [PubMed 12716889]).[supplied by OMIM, Mar 2008]
UniProt Comments for SLC35B2	SLC35B2: Mediates the transport of adenosine 3'-phospho 5'- phosphosulfate (PAPS), from cytosol into Golgi. PAPS is a universal sulfuryl donor for sulfation events that take place in the Golgi. May indirectly participate in activation of the NF- kappa-B and MAPK pathways. Belongs to the nucleotide-sugar transporter family. SLC35B subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Transporter, SLC family; Transporter Chromosomal Location of Human Ortholog: 6p21.1 Cellular Component: Golgi apparatus; Golgi membrane; integral to endoplasmic reticulum membrane; integral to Golgi membrane; membrane Molecular Function: 3'-phosphoadenosine 5'-phosphosulfate transmembrane transporter activity; signal transducer activity Biological Process: 3'-phosphoadenosine 5'-phosphosulfate biosynthetic process; 3'-phosphoadenosine 5'-phosphosulfate transport; positive regulation of I-kappaB kinase/NF-kappaB cascade
Research Articles on SLC35B2	**1.** Results suggest that frequently downregulated miR-22 expression is associated with cell proliferation in medulloblastomas, and this may be at least in part via PAPST1, which is a novel target of miR-22
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