PLS1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PLS1, Blocking Peptide
Full Product Name	PLS1 Peptide - N-terminal region
Product Gene Name	PLS1 blocking peptide
Product Synonym Gene Name	I-PLASTIN
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	PLS1 peptide (MBS3237694) is used for blocking the activity of PLS1 antibody (MBS3212747)
Molecular Weight	70kDa
OMIM	L20826 mRNA
Product Categories/Family for PLS1 blocking peptide	Peptide
Applications Tested/Suitable for PLS1 blocking peptide	Western Blot (WB)
Related Product Information for PLS1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PLS1 antibody made Target Description: Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this ge
Other Notes	Small volumes of PLS1 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 PLS1 purchase	MBS3237694 is a blocking peptide targeting PLS1. Also known as PLS1 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLS1. It may not necessarily be applicable to this product.

NCBI GI #	223718246
NCBI GeneID	5357
NCBI Accession #	NP_002661
UniProt Primary Accession #	Q14651
UniProt Related Accession #	Q14651
GenBank Nucleotide #	NM_002670
NCBI Official Full Name	plastin-1
NCBI Official Synonym Full Names	plastin 1
NCBI Official Symbol	PLS1
UniProt Protein Name	Plastin-1

UniProt Synonym Protein Names	Intestine-specific plastin; I-plastin
Protein Family	1-acyl-sn-glycerol-3-phosphate acyltransferase
UniProt Gene Name	PLS1
UniProt Synonym Gene Names	I-plastin
NCBI Protein Information	plastin-1
NCBI Summary for PLS1	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this gene is a third distinct plastin isoform, which is specifically expressed at high levels in the small intestine. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Feb 2010]
UniProt Comments for PLS1	PLS1: Actin-bundling protein in the absence of calcium. Protein type: Actin-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 3q23 Cellular Component: actin filament; actin filament bundle; brush border; cytoplasm Molecular Function: actin filament binding; calcium ion binding; structural constituent of cytoskeleton Biological Process: actin crosslink formation; actin filament bundle formation; actin filament network formation; D-glucose absorption; positive regulation of multicellular organism growth; regulation of microvillus length
Research Articles on PLS1	**1.** upregulated in eosinophils from atopic dermatitis patients
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