PHYHIPL Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PHYHIPL, Blocking Peptide
Full Product Name	PHYHIPL Peptide - C-terminal region
Product Gene Name	PHYHIPL blocking peptide
Product Synonym Gene Name	KIAA1796
Sequence	ESVDEYQFVE RLLPATRIPD PPKHEHYPTP SGWQPPRDPP PNLPYFVRRS
Species Reactivity	Human
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	PHYHIPL peptide (MBS3239476) is used for blocking the activity of PHYHIPL antibody (MBS3214539)
Molecular Weight	19kDa
Product Categories/Family for PHYHIPL blocking peptide	Peptide
Applications Tested/Suitable for PHYHIPL blocking peptide	Western Blot (WB)
Related Product Information for PHYHIPL blocking peptide	This is a synthetic peptide designed for use in combination with anti-PHYHIPL Antibody, made Target Description: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. This gene and the gene for the HRD1 protein use in their respective 3' UTRs some of the same genomic sequence. Pseudogenes corresponding to this gene are found on chromosomes 5q and 8p.
Other Notes	Small volumes of PHYHIPL 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 PHYHIPL purchase	MBS3239476 is a blocking peptide targeting PHYHIPL. Also known as PHYHIPL Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	190341060
NCBI GeneID	84457
NCBI Accession #	NP_115815
UniProt Primary Accession #	Q96FC7
UniProt Related Accession #	Q96FC7

GenBank Nucleotide #	NM_032439
NCBI Official Full Name	phytanoyl-CoA hydroxylase-interacting protein-like isoform 1
NCBI Official Synonym Full Names	phytanoyl-CoA 2-hydroxylase interacting protein like
NCBI Official Symbol	PHYHIPL
UniProt Protein Name	Phytanoyl-CoA hydroxylase-interacting protein-like
Protein Family	Phytanoyl-CoA hydroxylase interacting protein
UniProt Gene Name	PHYHIPL
UniProt Synonym Gene Names	KIAA1796
NCBI Protein Information	phytanoyl-CoA hydroxylase-interacting protein-like
UniProt Comments for PHYHIPL	PHYHIPL: May play a role in the development of the central system. Belongs to the PHYHIP family. 3 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 10q21.1 Cellular Component: cytoplasm; mitochondrion
Research Articles on PHYHIPL	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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.
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