MRPS15 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	MRPS15, Blocking Peptide
Full Product Name	MRPS15 Peptide - N-terminal region
Product Gene Name	MRPS15 blocking peptide
Product Synonym Gene Name	DC37; FLJ11564; MPR-S15; RPMS15; S15mt
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	MRPS15 peptide (MBS3229733) is used for blocking the activity of MRPS15 antibody (MBS3204768)
Molecular Weight	30kDa
OMIM	611979
Product Categories/Family for MRPS15 blocking peptide	Peptide
Applications Tested/Suitable for MRPS15 blocking peptide	Western Blot (WB)
Related Product Information for MRPS15 blocking peptide	This is a synthetic peptide designed for use in combination with anti-MRPS15 antibody made Target Description: Mammalian mitochondrial ribosomal proteins help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. MRPS15 is a 28S subunit protein that belongs to the ribosomal pr
Other Notes	Small volumes of MRPS15 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 MRPS15 purchase	MBS3229733 is a blocking peptide targeting MRPS15. Also known as MRPS15 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPS15. It may not necessarily be applicable to this product.

NCBI GI #	16554611
NCBI GeneID	64960
NCBI Accession #	NP_112570
UniProt Primary Accession #	P82914
UniProt Related Accession #	P82914
GenBank Nucleotide #	NM_031280
NCBI Official Full Name	28S ribosomal protein S15, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S15
NCBI Official Symbol	MRPS15

NCBI Official Synonym Symbols	DC37; S15mt; RPMS15; MPR-S15
UniProt Protein Name	28S ribosomal protein S15, mitochondrial
Protein Family	28S ribosomal protein
UniProt Gene Name	MRPS15
UniProt Synonym Gene Names	RPMS15; DC37; MRP-S15; S15mt
UniProt Entry Name	RT15_HUMAN
NCBI Protein Information	28S ribosomal protein S15, mitochondrial
NCBI Summary for MRPS15	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 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q. [provided by RefSeq, Jul 2008]
Research Articles on MRPS15	**1.** Observational study of gene-disease association. (HuGE Navigator)
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