MRM1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	MRM1, Blocking Peptide
Full Product Name	MRM1 Peptide
Product Gene Name	MRM1 blocking peptide
Product Synonym Gene Name	FLJ22578
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	MRM1 peptide (MBS3230561) is used for blocking the activity of MRM1 antibody (MBS3205598)
Molecular Weight	39kDa
Product Categories/Family for MRM1 blocking peptide	Peptide
Applications Tested/Suitable for MRM1 blocking peptide	Western Blot (WB)
Related Product Information for MRM1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-MRM1 antibody made Target Description: MRM1 belongs to the RNA methyltransferase trmH family and probably methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S)
Other Notes	Small volumes of MRM1 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 MRM1 purchase	MBS3230561 is a blocking peptide targeting MRM1. Also known as MRM1 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRM1. It may not necessarily be applicable to this product.

NCBI GI #	40068479
NCBI GeneID	79922
NCBI Accession #	NP_079140
UniProt Primary Accession #	Q6IN84
UniProt Related Accession #	Q6IN84
GenBank Nucleotide #	NM_024864
NCBI Official Full Name	rRNA methyltransferase 1, mitochondrial
NCBI Official Synonym Full Names	mitochondrial rRNA methyltransferase 1
NCBI Official Symbol	MRM1
UniProt Protein Name	rRNA methyltransferase 1, mitochondrial
UniProt Synonym Protein Names	16S rRNA (guanosine(1145)-2'-O)-methyltransferase; 16S rRNA [Gm1145] 2'-O-methyltransferase

Protein Family	rRNA methyltransferase
UniProt Gene Name	MRM1
UniProt Entry Name	MRM1_HUMAN
NCBI Protein Information	rRNA methyltransferase 1, mitochondrial
UniProt Comments for MRM1	MRM1: Probably methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S). Belongs to the RNA methyltransferase TrmH family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.1.1.-; Methyltransferase Chromosomal Location of Human Ortholog: 17q12 Cellular Component: mitochondrion Molecular Function: RNA methyltransferase activity Biological Process: RNA processing; RNA methylation; rRNA processing
Research Articles on MRM1	**1.** Data show that 2'-O-methyltransferases MRM1, MRM2, and RNMTL1 are responsible for modification of large subunit rRNA at residues G1145, U1369, and G1370, respectively.
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