KIAA0391 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	KIAA0391, Blocking Peptide
Full Product Name	KIAA0391 Peptide - middle region
Product Gene Name	KIAA0391 blocking peptide
Product Synonym Gene Name	MRPP3; PRORP
Sequence	Synthetic peptide located within the following region: CLKGKIMRDV IDGGDQYRKT TPQELKRFEN FIKSRPPFDV VIDGLNVAKM
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	KIAA0391 peptide (MBS3246848) is used for blocking the activity of KIAA0391 antibody (MBS3222144)
Molecular Weight	62 kDa
OMIM	609947
Product Categories/Family for KIAA0391 blocking peptide	Peptide
Related Product Information for KIAA0391 blocking peptide	This is a synthetic peptide designed for use in combination with anti- KIAA0391 Antibody, made Target Description: Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/TRMT10C, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends.
Other Notes	Small volumes of KIAA0391 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 KIAA0391 purchase	MBS3246848 is a blocking peptide targeting KIAA0391. Also known as KIAA0391 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIAA0391. It may not necessarily be applicable to this product.

NCBI GI #	375493513
NCBI GeneID	9692
NCBI Accession #	NP_001243607.1
UniProt Primary Accession #	O15091
UniProt Related Accession #	O15091
GenBank Nucleotide #	NM_001256678.1
NCBI Official Full Name	mitochondrial ribonuclease P catalytic subunit isoform 2
NCBI Official Synonym Full Names	KIAA0391

NCBI Official Symbol	KIAA0391
NCBI Official Synonym Symbols	MRPP3; PRORP
UniProt Protein Name	Mitochondrial ribonuclease P protein 3
Protein Family	Mitochondrial ribonuclease P protein
UniProt Gene Name	KIAA0391
UniProt Synonym Gene Names	MRPP3; Mitochondrial RNase P protein 3
UniProt Entry Name	MRRP3_HUMAN
NCBI Protein Information	mitochondrial ribonuclease P catalytic subunit
Research Articles on KIAA0391	**1.** This study proposes low-resolution models of the MRPP1-MRPP2 and MRPP1-MRPP2-MRPP3 complexes that suggest the overall architecture, stoichiometry, and orientation of subunits and tRNA substrates.
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