MRPL4 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	MRPL4, Blocking Peptide
Full Product Name	MRPL4 Peptide - N-terminal region
Product Gene Name	MRPL4 blocking peptide
Product Synonym Gene Name	CDABP0091; CGI-28; L4mt
Sequence	YAKTKTRAEV RGGGRKPWPQ KGTGRARHGS IRSPLWRGGG VAHGPRGPTS
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	MRPL4 peptide (MBS3242468) is used for blocking the activity of MRPL4 antibody (MBS3217572)
Molecular Weight	23kDa
Product Categories/Family for MRPL4 blocking peptide	Peptide
Applications Tested/Suitable for MRPL4 blocking peptide	Western Blot (WB)
Related Product Information for MRPL4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-MRPL4 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.
Other Notes	Small volumes of MRPL4 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 MRPL4 purchase	MBS3242468 is a blocking peptide targeting MRPL4. Also known as MRPL4 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPL4. It may not necessarily be applicable to this product.

NCBI GI #	9956063
NCBI GeneID	51073
NCBI Accession #	AAG02005
UniProt Related Accession #	Q9BYD3
NCBI Official Full Name	similar to Homo sapiens CGI-28 protein mRNA with GenBank Accession Number AF132962
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L4

NCBI Official Symbol	MRPL4
NCBI Official Synonym Symbols	L4mt; CGI-28
Protein Family	39S ribosomal protein
NCBI Protein Information	39S ribosomal protein L4, mitochondrial
NCBI Summary for MRPL4	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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq, Jul 2008]
Research Articles on MRPL4	**1.** there is a strong association between allergic rhinitis risk and polymorphisms of MRPL4 and TNF-alpha genes in the Han Chinese population
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/mrpl4/3242468