IBA57 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	IBA57, Blocking Peptide
Full Product Name	IBA57 Peptide - middle region
Product Gene Name	IBA57 blocking peptide
Product Synonym Gene Name	MMDS3; SPG74; C1orf69; IBA57
Sequence	Synthetic peptide located within the following region: QDEGPALVPG GRLGDLWDYH QHRYLQGVPE GVRDLPPGVA LPLESNLAFM
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	IBA57 peptide (MBS3246036) is used for blocking the activity of IBA57 antibody (MBS3221270)
Molecular Weight	39 kDa
OMIM	gene 615330
Product Categories/Family for IBA57 blocking peptide	Peptide
Related Product Information for IBA57 blocking peptide	The protein encoded by this gene localizes to the mitochondrion and is part of the iron-sulfur cluster assembly pathway. The encoded protein functions late in the biosynthesis of mitochondrial 4Fe-4S proteins. Defects in this gene have been associated with autosomal recessive spastic paraplegia-74 and with multiple mitochondrial dysfunctions syndrome-3. Two transcript variants encoding different isoforms have been found for this gene. The smaller isoform is not likely to be localized to the mitochondrion since it lacks the amino-terminal transit peptide.
Other Notes	Small volumes of IBA57 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 IBA57 purchase	MBS3246036 is a blocking peptide targeting IBA57. Also known as IBA57 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IBA57. It may not necessarily be applicable to this product.

NCBI GI #	58197556
NCBI GeneID	200205
NCBI Accession #	NP_001010867.1
UniProt Primary Accession #	Q5T440
UniProt Related Accession #	Q5T440
GenBank Nucleotide #	NM_001010867.3
NCBI Official Full Name	putative transferase CAF17, mitochondrial isoform 1
NCBI Official Synonym Full Names	iron-sulfur cluster assembly factor IBA57

NCBI Official Symbol	IBA57
NCBI Official Synonym Symbols	MMDS3; SPG74; C1orf69
UniProt Protein Name	Putative transferase CAF17, mitochondrial
UniProt Synonym Protein Names	Iron-sulfur cluster assembly factor homolog
Protein Family	Putative uncharacterized protein
UniProt Gene Name	IBA57
UniProt Synonym Gene Names	C1orf69
UniProt Entry Name	CAF17_HUMAN
NCBI Protein Information	putative transferase CAF17, mitochondrial
Research Articles on IBA57	**1.** a patient with infantile-onset optic atrophy and asymptomatic white matter involvement, thus broadening the phenotypic spectrum of biallelic IBA57 mutations.
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