NDUFB2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	NDUFB2, Blocking Peptide
Full Product Name	NDUFB2 Peptide - C-terminal region
Product Gene Name	NDUFB2 blocking peptide
Product Synonym Gene Name	AGGG; CI-AGGG
Sequence	Synthetic peptide located within the following region: FQSEFFSGLM WFWILWRFWH DSEEVLGHFP YPDPSQWTDE ELGIPPDDED
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	NDUFB2 peptide (MBS3247599) is used for blocking the activity of NDUFB2 antibody (MBS3222937)
Molecular Weight	11 kDa
OMIM	603838
Product Categories/Family for NDUFB2 blocking peptide	Peptide
Related Product Information for NDUFB2 blocking peptide	This is a synthetic peptide designed for use in combination with anti- NDUFB2 Antibody, made Target Description: The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I.
Other Notes	Small volumes of NDUFB2 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 NDUFB2 purchase	MBS3247599 is a blocking peptide targeting NDUFB2. Also known as NDUFB2 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFB2. It may not necessarily be applicable to this product.

NCBI GI #	4758778
NCBI GeneID	4708
NCBI Accession #	NP_004537.1
UniProt Primary Accession #	O95178
UniProt Related Accession #	O95178
GenBank Nucleotide #	NM_004546.2

NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit B2
NCBI Official Symbol	NDUFB2
NCBI Official Synonym Symbols	AGGG; CI-AGGG
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial
UniProt Synonym Protein Names	Complex I-AGGG; CI-AGGG; NADH-ubiquinone oxidoreductase AGGG subunit
UniProt Gene Name	NDUFB2
UniProt Synonym Gene Names	CI-AGGG
UniProt Entry Name	NDUB2_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial
NCBI Summary for NDUFB2	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I. [provided by RefSeq, Jul 2008]
Research Articles on NDUFB2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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