COX6A2 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	COX6A2, Blocking Peptide
Full Product Name	COX6A2 Peptide - middle region
Product Gene Name	COX6A2 blocking peptide
Product Synonym Gene Name	COX6AH; COXVIAH; COX6A2
Sequence	Synthetic peptide located within the following region: ALPSVALCTF NSYLHSGHRP RPEFRPYQHL RIRTKPYPWG DGNHTLFHNS
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	COX6A2 peptide (MBS3245031) is used for blocking the activity of COX6A2 antibody (MBS3220208)
Molecular Weight	10 kDa
OMIM	602009
Product Categories/Family for COX6A2 blocking peptide	Peptide
Applications Tested/Suitable for COX6A2 blocking peptide	Western Blot (WB)
Related Product Information for COX6A2 blocking peptide	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two polypeptides share 66% amino acid sequence identity.
Other Notes	Small volumes of COX6A2 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 COX6A2 purchase	MBS3245031 is a blocking peptide targeting COX6A2. Also known as COX6A2 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COX6A2. It may not necessarily be applicable to this product.

NCBI GI #	4885149
NCBI GeneID	1339
NCBI Accession #	NP_005196.1
UniProt Primary Accession #	Q02221
UniProt Related Accession #	Q02221

GenBank Nucleotide #	NM_005205.3
NCBI Official Full Name	cytochrome c oxidase subunit 6A2, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit 6A2
NCBI Official Symbol	COX6A2
NCBI Official Synonym Symbols	COX6AH; COXVIAH
UniProt Protein Name	Cytochrome c oxidase subunit 6A2, mitochondrial
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide VIa-heart; COXVIAH; Cytochrome c oxidase subunit VIA-muscle; COX VIa-M
Protein Family	Cytochrome c oxidase
UniProt Gene Name	COX6A2
UniProt Synonym Gene Names	COX6A; COX6AH; COXVIAH; COX VIa-M
UniProt Entry Name	CX6A2_HUMAN
NCBI Protein Information	cytochrome c oxidase subunit 6A2, mitochondrial
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