Cytochrome C Oxidase Subunit 3 (cox3) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome c oxidase subunit 3 (COX3), Recombinant Protein
Full Product Name	Recombinant Cytochrome c oxidase subunit 3 (COX3)
Product Gene Name	cox3 recombinant protein
Product Synonym Gene Name	COX3
Product Synonym Names	Recombinant Cytochrome c oxidase subunit 3 (COX3); Cytochrome c oxidase subunit 3 EC= 1.9.3.1; Cytochrome c oxidase polypeptide III
Sequence	MTKKLINQFK SFQVHPYHLV EPSPWPLGAS VACLILTLGG VMKFHGFAAG DIGLPLGLIL VLASMLLWWR DVIREATYQG HHTKTVKYGI TLGVVLFIVS EILLFFSLFW AFFHSSLAPS VELGSTWPPV GIEPLNPFEV PLLNTIILLT SGCTITVSHA KIISGDRGAT ILYLILTILL AWMFLGLQWV EYVNAPFTIA DSVYGSTFFV ATGFHGLHVM IGTIFLTVSL NRILSYHLTS GHHLGYEAAI WYWHVVDVIW LFLYVSVYYW GSNV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	30,630 Da
Sequence Positions	1-274
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
Chromosome Location	Chromosome: MT; NC_001715.1 (12205..13029)
3D Structure	ModBase 3D Structure for P80439
Species	Allomyces macrogynus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cox3 recombinant protein	MBS1125060 is a recombinant protein targeting cox3. Also known as Recombinant Cytochrome c oxidase subunit 3 (COX3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cox3 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for cox3. It may not necessarily be applicable to this product.

NCBI GI #	11467579
NCBI GeneID	801893
NCBI Accession #	NP_043725.1

UniProt Primary Accession #	P80439
UniProt Related Accession #	S63643
GenBank Nucleotide #	NC_001715.1
NCBI Official Full Name	cytochrome oxidase subunit 3
NCBI Official Symbol	cox3
UniProt Protein Name	Cytochrome c oxidase subunit 3
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide III
UniProt Gene Name	COX3
UniProt Entry Name	COX3_ALLMA
NCBI Protein Information	cytochrome oxidase subunit 3
UniProt Comments for cox3	Function: Subunits I, II and III form the functional core of the enzyme complex. Catalytic activity: 4 ferrocytochrome c + O2 + 4 H+ = 4 ferricytochrome c + 2 H2O. Subcellular location: Mitochondrion inner membrane; Multi-pass membrane protein By similarity. Sequence similarities: Belongs to the cytochrome c oxidase subunit 3 family.
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