Cytochrome C Oxidase Subunit 3 (COIII) (COX3) Paracentrotus Lividus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome c oxidase subunit 3 (COIII) (COX3), Recombinant Protein
Full Product Name	Recombinant Paracentrotus lividus Cytochrome c oxidase subunit 3 (COIII)
Product Gene Name	COX3 recombinant protein
Product Synonym Gene Name	Recombinant Cytochrome c oxidase subunit 3 (COIII); Cytochrome c oxidase subunit 3 EC= 1.9.3.1; Cytochrome c oxidase polypeptide III
Sequence	MMAHQHPYYL VEQSPWPLTG AISGLMMNLG LVLWFHTGNI ILLFTGLLLL ILTLVNWWRD IVREATFQGS HTAIVENGLR YPMILFITSE VCFFFAFFWA FFHSSLAPAV EIGVTWPPSG ITPLNPFLVP LLNTAVLLSS GVTITWSHHS ILAGNRNEAI QALFLTVVLG IYFTILQAWE YIDAPFTIAD SVYGSTFFVA TGFHGLHVII GTTFLLVCLI RLSGHHFSTH HHFGFEAAAW YWHFVDVVWL FLYVCIYWWG S
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	29,627 Da
Sequence Positions	1-261
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_001572.1 (9377..10159)
3D Structure	ModBase 3D Structure for P12702
Species	Paracentrotus lividus (Common sea urchin)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COX3 recombinant protein	MBS1153527 is a recombinant protein targeting COX3. Also known as Recombinant Paracentrotus lividus Cytochrome c oxidase subunit 3 (COIII). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. COIII
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 #	5834975
NCBI GeneID	807705
NCBI Accession #	NP_008128.1

UniProt Primary Accession #	P12702
GenBank Nucleotide #	NC_001572.1
NCBI Official Full Name	cytochrome c oxidase subunit III
NCBI Official Symbol	COX3
UniProt Protein Name	Cytochrome c oxidase subunit 3
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide III
UniProt Gene Name	COIII
UniProt Entry Name	COX3_PARLI
NCBI Protein Information	cytochrome c oxidase subunit III
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. Sequence caution: The sequence AAA68140.1 differs from that shown. Reason: Erroneous initiation.
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