Cytochrome B (MT-CYB) Dasyurus Maculatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome b (MT-CYB), Recombinant Protein
Full Product Name	Recombinant Dasyurus maculatus Cytochrome b (MT-CYB), partial
Product Gene Name	MT-CYB recombinant protein
Sequence	MINMRKTHPL LKIINHSFID LPAPSNISAW WNFGSLLGVC LMIQILTGLF LAMHYTSDTL TAFSSVAHIC RDVNHGWLLR NLQANGASMF FMCLFLHVGR GIYYGSYLYK ETWNIGVILL LTVMATAFVG YVLPWGQMSF WGATVITNLL SAIPYIGTTL AEWIWGGFAV DKATLTRFFA FHFILPFIIM ALAVVHLLFL HETGSNNPSG INPDSDKIPF HPYYTIKDAL GLMLLLLMLL LLALFSPDLL GDPDNFSPAN PLNTPPHIKP EWYFLFAYAI LRSIPNKLGG VLALLASILI LLIIPLLHTA NQRSMMFRPI SQTLFWILTA NLITLTWIGG QPVEQPFIII GQLASTLYFP LILILMPSAG LLENYMLEPK W
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	42,756 Da
Sequence Positions	1-381
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.
3D Structure	ModBase 3D Structure for O03522
Species	Dasyurus maculatus (Tiger quoll)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT-CYB recombinant protein	MBS1257511 is a recombinant protein targeting MT-CYB. Also known as Recombinant Dasyurus maculatus Cytochrome b (MT-CYB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT-CYB 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 MT-CYB. It may not necessarily be applicable to this product.

NCBI GI #	3287782
NCBI Accession #	O03522.1
UniProt Primary Accession #	O03522
UniProt Secondary Accession #	Q34332
NCBI Official Full Name	Cytochrome b

UniProt Protein Name	Cytochrome b
UniProt Synonym Protein Names	Complex III subunit 3; Complex III subunit III; Cytochrome b-c1 complex subunit 3; Ubiquinol-cytochrome-c reductase complex cytochrome b subunit
UniProt Gene Name	MT-CYB
UniProt Synonym Gene Names	COB; CYTB; MTCYB
UniProt Comments for MT-CYB	Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex) that is part of the mitochondrial respiratory chain. The b-c1 complex mediates electron transfer from ubiquinol to cytochrome c. Contributes to the generation of a proton gradient across the mitochondrial membrane that is then used for ATP synthesis.
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