Cytochrome C Oxidase Subunit 2 (MT-CO2) Bos Mutus Grunniens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome c oxidase subunit 2 (MT-CO2), Recombinant Protein
Full Product Name	Recombinant Bos mutus grunniens Cytochrome c oxidase subunit 2 (MT-CO2)
Product Gene Name	MT-CO2 recombinant protein
Product Synonym Gene Name	MT-CO2; COII, COXII, MTCO2
Product Synonym Names	Recombinant Cytochrome c oxidase subunit 2 (MT-CO2); Cytochrome c oxidase subunit 2; Cytochrome c oxidase polypeptide II
Sequence	MAYPMQLGFQ DATSPIMEEL LHFHDHTLMI VFLISSLVLY IISLMLTTKL THTSTMDAQE VETIWTILPA IILILIALPS LRILYMMDEI NNPSLTVKTM GHQWYWSYEY TDYEDLSFDS YMIPTSELKP GELRLLEVDN RVVLPMEMTI RMLVSSEDVL HSWAVPSLGL KTDAIPGRLN QTTLMSSRPG LYYGQCSEIC GSNHSFMPIV LELVPLKYFE KWSASML
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	26,021 Da
Sequence Positions	1-227
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 P68554
Species	Bos mutus grunniens (Wild yak) (Bos grunniens)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT-CO2 recombinant protein	MBS1250696 is a recombinant protein targeting MT-CO2. Also known as Recombinant Bos mutus grunniens Cytochrome c oxidase subunit 2 (MT-CO2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT-CO2 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-CO2. It may not necessarily be applicable to this product.

NCBI GI #	55976800
NCBI Accession #	P68554.1
UniProt Primary Accession #	P68554
UniProt Secondary Accession #	P00404; Q5Y4Q7

NCBI Official Full Name	Cytochrome c oxidase subunit 2
UniProt Protein Name	Cytochrome c oxidase subunit 2
UniProt Synonym Protein Names	Cytochrome c oxidase polypeptide II
UniProt Gene Name	MT-CO2
UniProt Synonym Gene Names	COII; COXII; MTCO2
UniProt Entry Name	COX2_BOSMU
UniProt Comments for MT-CO2	Function: Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1. Cofactor: Copper A. Subcellular location: Mitochondrion inner membrane; Multi-pass membrane protein. Sequence similarities: Belongs to the cytochrome c oxidase subunit 2 family.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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