Cytochrome D Ubiquinol Oxidase Subunit 2 (cydB) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome d ubiquinol oxidase subunit 2 (cydB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Cytochrome d ubiquinol oxidase subunit 2 (cydB), partial
Product Gene Name	cydB recombinant protein
Sequence	MIDYEVLRFI WWLLVGVLLI GFAVTDGFDM GVGMLTRFLG RNDTERRIMI NSIAPHWDGN QVWLITAGGA LFAAWPMVYA AAFSGFYVAM ILVLASLFFR PVGFDYRSKI EETRWRNMWD WGIFIGSFVP PLVIGVAFGN LLQGVPFNVD EYLRLYYTGN FFQLLNPFGL LAGVVSVGMI ITQGATYLQM RTVGELHLRT RATAQVAALV TLVCFALAGV WVMYGIDGYV VKSTMDHYAA SNPLNKEVVR EAGAWLVNFN NTPILWAIPA LGVVLPLLTI LTARMDKAAW AFVFSSLTLA CIILTAGIAM FPFVMPSSTM MNASLTMWDA TSSQLTLNVM TWVAVVLVPI ILLYTAWCYW KMFGRITKED IERNTHSLY
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	42,453 Da
Sequence Positions	1-379
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 P0ABK4
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cydB recombinant protein	MBS1227441 is a recombinant protein targeting cydB. Also known as Recombinant Escherichia coli O157:H7 Cytochrome d ubiquinol oxidase subunit 2 (cydB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cydB 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 cydB. It may not necessarily be applicable to this product.

NCBI GI #	15830023
NCBI GeneID	917500
NCBI Accession #	NP_308796.1
UniProt Primary Accession #	P0ABK4

UniProt Secondary Accession #	P11027
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	cytochrome d terminal oxidase polypeptide subunit II
NCBI Official Symbol	ECs0769
UniProt Protein Name	Cytochrome bd-I ubiquinol oxidase subunit 2
UniProt Synonym Protein Names	Cytochrome bd-I oxidase subunit II; Cytochrome d ubiquinol oxidase subunit II
Protein Family	Cytochrome bd-I ubiquinol oxidase
UniProt Gene Name	cydB
NCBI Protein Information	cytochrome d terminal oxidase polypeptide subunit II
UniProt Comments for cydB	A terminal oxidase that produces a proton motive force by the vectorial transfer of protons across the inner membrane. It is the component of the aerobic respiratory chain of E.coli that predominates when cells are grown at low aeration. Generates a proton motive force using protons and electrons from opposite sides of the membrane to generate H2O, transferring 1 proton/electron.
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