Choline Dehydrogenase (betA) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Choline dehydrogenase (betA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Choline dehydrogenase (betA)
Product Gene Name	betA recombinant protein
Product Synonym Gene Name	betA
Sequence	MQFDYIIIGA GSAGNVLATR LTEDPNTSVL LLEAGGPDYR FDFRTQMPAA LAFPLQGKRY NWAYETEPEP FMNNRRMECG RGKGLGGSSL INGMCYIRGN AMDLDNWAKE PGLENWSYLD CLPYYRKAET RDVGENDYHG GDGPVSVTTS KPGVNPLFEA MIEAGVQAGY PRTDDLNGYQ QEGFGPMDRT VTPQGRRAST ARGYLDQAKS RPNLTIRTHA MTDHIIFDCK RAVGVEWLEG DSTIPTRATA NKEVLLCAGA IASPQILQRS GVGNAELLAE FDIPLVHDLP GVGENLQDHL EMYLQYECKE PVSLYPALQW WNQPKIGAEW LFGGTGVGAS NHFEAGGFIR SREEFAWPNI QYHFLPVAIN YNGSNAVKEH GFQCHVGSMR SPSRGHVRIK SRDPHQHPAI LFNYMSHEQD WQEFRDAIRI TREIMHQPAL DQYRGREISP GTECQTDEQL DEFVRNHAET AFHPCGTCKM GYDEMSVVDG EGRVHGLEGL RVVDASIMPQ IITGNLNATT IMIGEKMADM IRGKEALPRS TAGYFVANGM PVRAKKMSRD LN
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	62,633 Da
Sequence Positions	1-562, Full length protein
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 Q8X6C6
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for betA recombinant protein	MBS1425806 is a recombinant protein targeting betA. Also known as Recombinant Escherichia coli O157:H7 Choline dehydrogenase (betA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of betA 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 betA. It may not necessarily be applicable to this product.

NCBI GI #	15829611
NCBI GeneID	914458
NCBI Accession #	NP_308384.1

UniProt Primary Accession #	Q8X6C6
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	choline dehydrogenase
NCBI Official Symbol	ECs0357
UniProt Protein Name	Oxygen-dependent choline dehydrogenase
UniProt Synonym Protein Names	Betaine aldehyde dehydrogenase
Protein Family	Oxygen-dependent choline dehydrogenase
UniProt Gene Name	betA
UniProt Synonym Gene Names	CDH; CHD; BADH
NCBI Protein Information	choline dehydrogenase
UniProt Comments for betA	Involved in the biosynthesis of the osmoprotectant glycine betaine. Catalyzes the oxidation of choline to betaine aldehyde and betaine aldehyde to glycine betaine at the same rate.
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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