Magnesium-Chelatase 38 Kda Subunit (bchI) Chlorobium Tepidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Magnesium-chelatase 38 kDa subunit (bchI), Recombinant Protein
Full Product Name	Recombinant Chlorobium tepidum Magnesium-chelatase 38 kDa subunit (bchI)
Product Gene Name	bchI recombinant protein
Product Synonym Gene Name	bchI
Sequence	MTQTANAAKK TTSTKASAAK EAKVKVTAEE KAVTEVKKPA AKKKSALAFP FTAIVGQEEM KLSLILNIID PRIGGVLVMG HRGTGKSTTV RALAEVLPLI PRVKGDIYNR TVEQYIEMEA AGKGAPAIKP EDVETELIPV PVVDLPLGAT EDRVCGTIDI EKALTSGVKA FEPGLLAQSN RGFLYIDEVN LLDDHLVDVL LDVAASGKNV VEREGISIRH PARFVLVGSG NPEEGELRPQ LLDRFGLHAR ITTINDVAKR VQIVKLRREF DEDPEAFMKK VSREQQKLRK KIVAAQQLLP QVTMDDAVLT DIAKLCMNLG IDGHRGELTI TRTAHAYAAW EGDKKVTMKH VREIAGLCLR HRLRKDPLET VDAGEKIDRE LAKVLGEAEA AA
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	42,800 Da
Sequence Positions	1-392, 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 Q93SW1
Species	Chlorobium tepidum (strain 49652 / DSM 12025 / TLS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bchI recombinant protein	MBS1477894 is a recombinant protein targeting bchI. Also known as Recombinant Chlorobium tepidum Magnesium-chelatase 38 kDa subunit (bchI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bchI 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 bchI. It may not necessarily be applicable to this product.

NCBI GI #	21674120
NCBI GeneID	1006656
NCBI Accession #	NP_662185.1
UniProt Primary Accession #	Q93SW1

UniProt Related Accession #	Q93SW1
GenBank Nucleotide #	NC_002932.3
NCBI Official Full Name	magnesium-chelatase subunit I
NCBI Official Symbol	bchI
UniProt Protein Name	Magnesium-chelatase 38 kDa subunit
UniProt Synonym Protein Names	Mg-protoporphyrin IX chelatase
Protein Family	Magnesium-chelatase
UniProt Gene Name	bchI
UniProt Synonym Gene Names	chlI
NCBI Protein Information	magnesium-chelatase subunit I
UniProt Comments for bchI	Involved in bacteriochlorophyll biosynthesis; introduces a magnesium ion into protoporphyrin IX to yield Mg-protoporphyrin IX.
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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