Ribulose Bisphosphate Carboxylase-Like Protein (CT1772) Chlorobium Tepidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribulose bisphosphate carboxylase-like protein (CT1772), Recombinant Protein
Full Product Name	Recombinant Chlorobium tepidum Ribulose bisphosphate carboxylase-like protein (CT1772)
Product Gene Name	CT1772 recombinant protein
Product Synonym Gene Name	CT1772
Sequence	MNAEDVKGFF ASRESLDMEQ YLVLDYYLES VGDIETALAH FCSEQSTAQW KRVGVDEDFR LVHAAKVIDY EVIEELEQLS YPVKHSETGK IHACRVTIAH PHCNFGPKIP NLLTAVCGEG TYFTPGVPVV KLMDIHFPDT YLADFEGPKF GIEGLRDILN AHGRPIFFGV VKPNIGLSPG EFAEIAYQSW LGGLDIAKDD EMLADVTWSS IEERAAHLGK ARRKAEAETG EPKIYLANIT DEVDSLMEKH DVAVRNGANA LLINALPVGL SAVRMLSNYT QVPLIGHFPF IASFSRMEKY GIHSKVMTKL QRLAGLDAVI MPGFGDRMMT PEEEVLENVI ECTKPMGRIK PCLPVPGGSD SALTLQTVYE KVGNVDFGFV PGRGVFGHPM GPKAGAKSIR QAWEAIEQGI SIETWAETHP ELQAMVDQSL LKKQD
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	48,003 Da
Sequence Positions	1-435, 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 Q8KBL4
Species	Chlorobium tepidum (strain 49652 / DSM 12025 / TLS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CT1772 recombinant protein	MBS1314986 is a recombinant protein targeting CT1772. Also known as Recombinant Chlorobium tepidum Ribulose bisphosphate carboxylase-like protein (CT1772). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CT1772 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 CT1772. It may not necessarily be applicable to this product.

NCBI GI #	21674586
NCBI GeneID	1008092
NCBI Accession #	NP_662651.1

UniProt Primary Accession #	Q8KBL4
UniProt Related Accession #	Q8KBL4
GenBank Nucleotide #	NC_002932.3
NCBI Official Full Name	ribulose bisphosphate carboxylase, large subunit
NCBI Official Symbol	rbcL
UniProt Protein Name	Ribulose bisphosphate carboxylase-like protein
UniProt Gene Name	CT1772
UniProt Synonym Gene Names	RuBisCO-like protein
NCBI Protein Information	ribulose bisphosphate carboxylase, large subunit
UniProt Comments for CT1772	May be involved in sulfur metabolism and oxidative stress response. Does not show RuBisCO activity.
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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