Ribulose Bisphosphate Carboxylase Small Chain 1 (cbbS-1) Hydrogenovibrio Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribulose bisphosphate carboxylase small chain 1 (cbbS-1), Recombinant Protein
Full Product Name	Recombinant Hydrogenovibrio marinus Ribulose bisphosphate carboxylase small chain 1 (cbbS-1)
Product Gene Name	cbbS-1 recombinant protein
Product Synonym Gene Name	cbbS-1
Sequence	MSQELDYPSS LSAPTSRKAE TFSYLPKMTT DQIKAQVEYI ISKGWNPAIE HSEPENAFSY YWYMWKLPMF GDTDANVVLA EVDACIKANP NNHVRLIGYD NYAQSQGANM LVKRGDM
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	13,306 Da
Sequence Positions	1-117, 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 Q59459
Species	Hydrogenovibrio marinus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cbbS-1 recombinant protein	MBS1341057 is a recombinant protein targeting cbbS-1. Also known as Recombinant Hydrogenovibrio marinus Ribulose bisphosphate carboxylase small chain 1 (cbbS-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cbbS-1 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 cbbS-1. It may not necessarily be applicable to this product.

NCBI GI #	3183149
NCBI Accession #	Q59459.1
UniProt Primary Accession #	Q59459
NCBI Official Full Name	Ribulose bisphosphate carboxylase small chain 1
UniProt Protein Name	Ribulose bisphosphate carboxylase small chain 1
UniProt Gene Name	cbbS-1

UniProt Synonym Gene Names	RuBisCO small subunit 1
UniProt Comments for cbbS-1	RuBisCO catalyzes two reactions: the carboxylation of D-ribulose 1,5-bisphosphate, the primary event in carbon dioxide fixation, as well as the oxidative fragmentation of the pentose substrate. Both reactions occur simultaneously and in competition at the same active site.
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