2-Phospho-L-Lactate Guanylyltransferase (cofC) Methanococcus Maripaludis Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-phospho-L-lactate guanylyltransferase (cofC), Recombinant Protein
Full Product Name	Recombinant Methanococcus maripaludis 2-phospho-L-lactate guanylyltransferase (cofC)
Product Gene Name	cofC recombinant protein
Sequence	MLAALIPVSP LSNVKSRLKE FLSSDERIEL IKNILIDTYE TVKECSDACY VVSKDEEILE FSKNLGIIPI RENSSVKGLN EAINFSLKFI KEDSILITPA DVPILKEENL KVITNKSVKN SIVICPSRGG GTNLLLLNPK DCMKTQFEGF SFLKHIEEAE KNNLKVIKCH SFYTSIDVNT VEDLGEIYIH GTDTKTYQFL KNLGIEVLPK HSSAGRFNVI RK
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	24,950 Da
Sequence Positions	1-222, 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 A9A8H9
Species	Methanococcus maripaludis (strain C6 / BAA-1332)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cofC recombinant protein	MBS1228791 is a recombinant protein targeting cofC. Also known as Recombinant Methanococcus maripaludis 2-phospho-L-lactate guanylyltransferase (cofC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cofC 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 cofC. It may not necessarily be applicable to this product.

NCBI GI #	501148596
NCBI Accession #	WP_012193608.1
UniProt Primary Accession #	A9A8H9
GenBank Nucleotide #	WP_012193608.1
NCBI Official Full Name	2-phospho-L-lactate guanylyltransferase

UniProt Protein Name	2-phospho-L-lactate guanylyltransferase
Protein Family	2-phospho-L-lactate guanylyltransferase
UniProt Gene Name	cofC
UniProt Synonym Gene Names	LP guanylyltransferase
UniProt Comments for cofC	Guanylyltransferase that catalyzes the activation of 2-phospho-L-lactate (LP) as (2S)-lactyl-2-diphospho-5'-guanosine (LPPG), via the condensation of LP with GTP. Is involved in the biosynthesis of coenzyme F420, a hydride carrier cofactor.
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