2-Phospho-L-Lactate Transferase (cofD) Thermobifida Fusca Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-phospho-L-lactate transferase (cofD), Recombinant Protein
Full Product Name	Recombinant Thermobifida fusca 2-phospho-L-lactate transferase (cofD)
Product Gene Name	cofD recombinant protein
Product Synonym Gene Name	cofD
Sequence	MRIVVLAGGI GGARFLRGLK DALHHRAEQG ESPSSITVIG NTGDDITLFG LRVCPDLDTV MYTLGGGINE EQGWGRADET FTVREELIAY GMHPQWFGLG DRDIATHIVR SQMLAAGYPL SAITEALCDR WKPGVRLLPM TDDQVETHVV VADEKGRRAI HFQEWWVRYR AQIPAESFVS VGADSAKPAP GVLSAIDEAD FVLFPPSNPV VSIGSILGIP GIRDAVAAKT VVGVSPIIGG APVRGMADAC LRTIGVETSA RAVAEHYGAD LLDGWLVDEA DADTVVAGVE VRAMPLYMSD PERTAAIAGA AVDLALELKE RS
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	34,335 Da
Sequence Positions	1-322, 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 Q47LX2
Species	Thermobifida fusca (strain YX)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cofD recombinant protein	MBS1415345 is a recombinant protein targeting cofD. Also known as Recombinant Thermobifida fusca 2-phospho-L-lactate transferase (cofD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cofD 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 cofD. It may not necessarily be applicable to this product.

NCBI GI #	510815625
NCBI Accession #	WP_016189180.1
UniProt Primary Accession #	Q47LX2
GenBank Nucleotide #	WP_016189180.1
NCBI Official Full Name	2-phospho-L-lactate transferase

UniProt Protein Name	2-phospho-L-lactate transferase
UniProt Synonym Protein Names	LPPG:FO 2-phospho-L-lactate transferase
Protein Family	2-phospho-L-lactate transferase
UniProt Gene Name	cofD
UniProt Comments for cofD	Catalyzes the transfer of the 2-phospholactate moiety from lactyl (2) diphospho-(5')guanosine (LPPG) to 7,8-didemethyl-8-hydroxy-5-deazariboflavin (FO) with the formation of the L-lactyl phosphodiester of 7,8-didemethyl-8-hydroxy-5-deazariboflavin (F420-0) and GMP.
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