8-Amino-7-Oxononanoate Synthase (bioF) Burkholderia Thailandensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	8-amino-7-oxononanoate synthase (bioF), Recombinant Protein
Full Product Name	Recombinant Burkholderia thailandensis 8-amino-7-oxononanoate synthase (bioF)
Product Gene Name	bioF recombinant protein
Product Synonym Gene Name	bioF
Sequence	MNLLATLERG LADIDAQGLR RRRRIADTAC SAHMSVDGRE IVGFASNDYL GLAAHPRLIE AFAEGARRYG AGSGGSHLLG GHSRAHAALE DELAAFSGGF SDAPRALYFS TGYMANLAAL TALAGRGATI FSDALNHASL IDGTRLSRAN VQVYPHGDAD ALDALLRACD APTKLIVSDT VFSMDGDVAP LARLVALAEA HGAWLVVDDA HGFGVLGPQG RGALAAHGLR SPNLVYVGTL GKAAGAAGAF IVAHETVIEW LVQRARSYIF TTAAPPSVAC AVSASLAVIA SDEGDARRAH LAALIERTRA ILRATPWQPV DSHTAVQPLV IGSNEATLAA MAALDAQGLW VPAIRPPTVP AGTSRLRISL SAAHSFADLA RLEAALVTPI EAAA
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	40,770 Da
Sequence Positions	1-394, 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 Q2T1Q2
Species	Burkholderia thailandensis (strain E264 / 700388 / DSM 13276 / CIP 106301)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bioF recombinant protein	MBS1436048 is a recombinant protein targeting bioF. Also known as Recombinant Burkholderia thailandensis 8-amino-7-oxononanoate synthase (bioF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bioF 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 bioF. It may not necessarily be applicable to this product.

NCBI GI #	497579103
NCBI Accession #	WP_009893287.1
UniProt Primary Accession #	Q2T1Q2

GenBank Nucleotide #	WP_009893287.1
NCBI Official Full Name	8-amino-7-oxononanoate synthase
UniProt Protein Name	8-amino-7-oxononanoate synthase
UniProt Synonym Protein Names	7-keto-8-amino-pelargonic acid synthase
Protein Family	8-amino-7-oxononanoate synthase
UniProt Gene Name	bioF
UniProt Synonym Gene Names	AONS; 7-KAP synthase; KAPA synthase
UniProt Comments for bioF	Catalyzes the decarboxylative condensation of pimeloyl-[acyl-carrier protein] and L-alanine to produce 8-amino-7-oxononanoate (AON), [acyl-carrier protein], and carbon dioxide.
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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