8-Amino-7-Oxononanoate Synthase (bioF) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	8-amino-7-oxononanoate synthase (bioF), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b 8-amino-7-oxononanoate synthase (bioF)
Product Gene Name	bioF recombinant protein
Product Synonym Gene Name	bioF
Sequence	MSWQEKINAA LDARRAADAL RRRYPVAQGA GRWLVADDRQ YLNFSSNDYL GLSHHPQIIR AWKQGAEQFG IGSGGSGHVS GYSVVHQALE EELAEWLGYS RALLFISGFA ANQAVIAAMM AKEDRIVADR LSHASLLEAA SLSPSQLRRF THNDVAHLAR LLASPCPGQQ LVVTEGVFSM DGDSAPLAEI QQVTQQHNGW LMVDDAHGTG VIGEQGRGSC WLQKVKPELL VVTFGKGFGV SGAAVLCSST VADYLLQFAR HLIYSTSMPP AQAQALRASL AVIRRDEGDA RREKLVSLIA RFRAGVQDLP FTLADSCSAI QPLIVGDNSR ALQLAEKLRQ QGCWVTAIRP PTVPAGTARL RLTLTAAHEM QDIDRLLEVL HGNG
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	41,687 Da
Sequence Positions	1-384, 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 Q0T6I4
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bioF recombinant protein	MBS1350868 is a recombinant protein targeting bioF. Also known as Recombinant Shigella flexneri serotype 5b 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 #	446040955
NCBI Accession #	WP_000118810.1
UniProt Primary Accession #	Q0T6I4

GenBank Nucleotide #	WP_000118810.1
NCBI Official Full Name	MULTISPECIES: 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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