Amidophosphoribosyltransferase (purF) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Amidophosphoribosyltransferase (purF), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae Amidophosphoribosyltransferase (purF)
Product Gene Name	purF recombinant protein
Product Synonym Gene Name	purF
Sequence	CGVFGVWAPG ELVAKLTYFG LYALQHRGQE AAGIAVADGS QVLVFKDLGL VSQVFDEQTL AAMEGHVAIG HCRYSTTGDT TWENAQPVFR NIAAGSGVAL GHNGNLVNTA ELAARARDAG LIAKRCPAPA TTDSDILGAL LAHGAADSTL EQAALELLPT VRGAFCLTFM DENTLYACRD PYGVRPLSLG RLDRGWVVAS ETAGLDIVGA SFVRDIEPGE LLAIDADGVR STRFANPTPK GCVFEYVYLA RPDSTLAGRS VHGTRVEIGR RLARECPVEA DLVIGVPESG TPAAVGYAQE SGISYGQGLM KNAYVGRTFI QPSQTIRQLG IRLKLNPLKE VIRGKRLIVV DDSVVRGNTQ RALVRMLREA GAVELHVRIA SPPVKWPCFY GIDFPSPAEL IANVVADEEE MLEAVRQGIG ADTLGYISLR GMIAASEQPA SRLCYACFDG RYPIELPSEA MLGKNVIEHM LANAARGAGL RDLAADQVPV DADENCVWR
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	59,540 Da
Sequence Positions	58-556, 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 Q50028
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purF recombinant protein	MBS1332607 is a recombinant protein targeting purF. Also known as Recombinant Mycobacterium leprae Amidophosphoribosyltransferase (purF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purF 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 purF. It may not necessarily be applicable to this product.

NCBI GI #	15828184
NCBI GeneID	908827
NCBI Accession #	NP_302447.1

UniProt Primary Accession #	Q50028
UniProt Secondary Accession #	O05762
UniProt Related Accession #	Q50028; CAC31161
GenBank Nucleotide #	NC_002677.1
NCBI Official Full Name	amidophosphoribosyltransferase
NCBI Official Symbol	purF
UniProt Protein Name	Amidophosphoribosyltransferase
UniProt Synonym Protein Names	Glutamine phosphoribosylpyrophosphate amidotransferase
UniProt Gene Name	purF
UniProt Synonym Gene Names	ATase; GPATase
NCBI Protein Information	amidophosphoribosyltransferase
UniProt Comments for purF	Catalyzes the formation of phosphoribosylamine from phosphoribosylpyrophosphate (PRPP) and glutamine.
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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