Prokaryotic Ubiquitin-Like Protein Pup (pup) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Prokaryotic ubiquitin-like protein Pup (pup), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Prokaryotic ubiquitin-like protein Pup (pup)
Product Gene Name	pup recombinant protein
Product Synonym Gene Name	pup
Sequence	MAQEQTKRGG GGGDDDDIAG STAAGQERRE KLTEETDDLL DEIDDVLEEN AEDFVRAYVQ KGGQ
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	6,944 Da
Sequence Positions	1-64, 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 Q7TZ12
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pup recombinant protein	MBS1468745 is a recombinant protein targeting pup. Also known as Recombinant Mycobacterium bovis Prokaryotic ubiquitin-like protein Pup (pup). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pup 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 pup. It may not necessarily be applicable to this product.

NCBI GI #	31793291
NCBI GeneID	1091166
NCBI Accession #	NP_855784.1
UniProt Primary Accession #	Q7TZ12
UniProt Secondary Accession #	A0A1R3Y0B9; X2BK62
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	hypothetical protein Mb2135c

UniProt Protein Name	Prokaryotic ubiquitin-like protein Pup
UniProt Synonym Protein Names	Bacterial ubiquitin-like modifier
Protein Family	Prokaryotic ubiquitin-like protein
UniProt Gene Name	pup
UniProt Comments for pup	Protein modifier that is covalently attached to lysine residues of substrate proteins, thereby targeting them for proteasomal degradation. The tagging system is termed pupylation.
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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