Release Factor Glutamine Methyltransferase (prmC) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Release factor glutamine methyltransferase (prmC), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 Release factor glutamine methyltransferase (prmC)
Product Gene Name	prmC recombinant protein
Product Synonym Gene Name	prmC
Sequence	MEYQHWLREA ISQLQASESP RRDAEILLEH VTGKGRTFIL AFGETQLTDE QCQQLDALLT RRRDGEPIAH LTGVREFWSL PLFVSPATLI PRPDTECLVE QALARLPEQP CRILDLGTGT GAIALALARE RPDCEITAVD RMPDAVALAQ RNAQHLAIKN IHILQSDWFS ELAGQQFAMI VSNPPYIDEQ DPHLQQGDVR FEPLTALVAA DSGMADIVHI IEQSRNALVS GGFLLLEHGW QQGEAVRQAF ILAGYHDVET CRDYGDNERV TLGRYYQ
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	31,046 Da
Sequence Positions	1-277, Full length
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 Q32GZ5
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prmC recombinant protein	MBS1418960 is a recombinant protein targeting prmC. Also known as Recombinant Shigella dysenteriae serotype 1 Release factor glutamine methyltransferase (prmC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prmC 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 prmC. It may not necessarily be applicable to this product.

NCBI GI #	446378594
NCBI Accession #	WP_000456449.1
UniProt Primary Accession #	Q32GZ5
GenBank Nucleotide #	WP_000456449.1

NCBI Official Full Name	protein-(glutamine-N5) methyltransferase, release factor-specific
UniProt Protein Name	Release factor glutamine methyltransferase
UniProt Synonym Protein Names	N5-glutamine methyltransferase PrmC
Protein Family	Release factor glutamine methyltransferase
UniProt Gene Name	prmC
UniProt Synonym Gene Names	RF MTase
UniProt Comments for prmC	Methylates the class 1 translation termination release factors RF1/PrfA and RF2/PrfB on the glutamine residue of the universally conserved GGQ motif.
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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