GMP Reductase (guaC) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	GMP reductase (guaC), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A GMP reductase (guaC)
Product Gene Name	guaC recombinant protein
Product Synonym Gene Name	guaC
Sequence	MRIEEDLKLG FKDVLIRPKR STLKSRSDVE LERQFTFKHS GQTWSGVPII AANMDTVGTF EMAQALAGFD ILTAVHKHYT VEEWAAFINT ASADVLKHVM VSTGTSDADF EKTVQILALN PALNFVCIDV ANGYSEHFVQ FVAKAREAWP TKTICAGNVV TGEMCEELIL SGADIVKVGI GPGSVCTTRV KTGVGYPQLS AVIECADAAH GLGGMIVSDG GCTMPGDVAK AFGGGADFVM LGGMLAGHEE SGGSVVEENG EKFMLFYGMS SESAMNRHVG GVAKYRAAEG KTVKLPLRGP VGNTARDILG GLRSACTYVG ASRLKELTKR TTFIRVQEQE NRIFNSL
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	37,139 Da
Sequence Positions	1-347, 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 Q5PDH8
Species	Salmonella paratyphi A (strain 9150 / SARB42)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for guaC recombinant protein	MBS1341592 is a recombinant protein targeting guaC. Also known as Recombinant Salmonella paratyphi A GMP reductase (guaC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of guaC 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 guaC. It may not necessarily be applicable to this product.

NCBI GI #	447140109
NCBI GeneID	1251659
NCBI Accession #	WP_001217365.1
UniProt Primary Accession #	Q5PDH8
UniProt Related Accession #	Q8ZRT5

GenBank Nucleotide #	WP_001217365.1
NCBI Official Full Name	guanosine monophosphate reductase
NCBI Official Symbol	guaC
UniProt Protein Name	GMP reductase
UniProt Synonym Protein Names	Guanosine 5'-monophosphate oxidoreductase
UniProt Gene Name	guaC
UniProt Synonym Gene Names	Guanosine monophosphate reductase
NCBI Protein Information	GMP reductase
UniProt Comments for guaC	Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides.
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