GMP Synthase [Glutamine-Hydrolyzing] (guaA) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	GMP synthase [glutamine-hydrolyzing] (guaA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 GMP synthase [glutamine-hydrolyzing] (guaA)
Product Gene Name	guaA recombinant protein
Sequence	MTENIHKHRI LILDFGSQYT QLVARRVREL GVYCELWAWD VTEAQIRDFN PSGIILSGGP ESTTEENSPR APQYVFEAGV PVFGVCYGMQ TMAMQLGGHV EASNEREFGY AQVEVVNDSA LVRGIEDALT ADGKPLLDVW MSHGDKVTAI PSDFVTVAST ESCPFAIMAN EEKRFYGVQF HPEVTHTRQG MRMLERFVRD ICQCEALWTP AKIIDDAVAR IREQVGDDKV ILGLSGGVDS SVTAMLLHRA IGKNLTCVFV DNGLLRLNEA EQVLDMFGDH FGLNIVHVPA EDRFLSALAG ENDPEAKRKI IGRVFVEVFD EEALKLEDVK WLAQGTIYPD VIESAASATG KAHVIKSHHN VGGLPKEMKM GLVEPLKELF KDEVRKIGLE LGLPYDMLYR HPFPGPGLGV RVLGEVKKEY CDLLRRADAI FIEELRKADL YDKVSQAFTV FLPVRSVGVM GDGRKYDWVV SLRAVETIDF MTAHWAHLPY DFLGRVSNRI INEVNGISRV VYDISGKPPA TIEWE
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	58,665 Da
Sequence Positions	1-525, 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 P64294
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for guaA recombinant protein	MBS1263929 is a recombinant protein targeting guaA. Also known as Recombinant Escherichia coli O6 GMP synthase [glutamine-hydrolyzing] (guaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of guaA 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 guaA. It may not necessarily be applicable to this product.

NCBI GI #	446060427
NCBI Accession #	WP_000138282.1
UniProt Primary Accession #	P64294
UniProt Secondary Accession #	Q8XAB5

GenBank Nucleotide #	WP_000138282.1
NCBI Official Full Name	MULTISPECIES: GMP synthase (glutamine-hydrolyzing)
UniProt Protein Name	GMP synthase [glutamine-hydrolyzing]
UniProt Synonym Protein Names	GMP synthetase
Protein Family	GMP synthase
UniProt Gene Name	guaA
UniProt Comments for guaA	Catalyzes the synthesis of GMP from XMP.
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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