Adenylosuccinate Synthetase (purA) Streptococcus Pyogenes Serotype M12 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenylosuccinate synthetase (purA), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M12 Adenylosuccinate synthetase (purA)
Product Gene Name	purA recombinant protein
Product Synonym Gene Name	purA
Sequence	MTSVVVVGTQ WGDEGKGKIT DFLSADAEVI ARYQGGDNAG HTIVIDGKKF KLHLIPSGIF FPQKISVIGN GVVVNPKSLV KELAYLHDEG VTTDNLRISD RAHVILPYHI QLDQLQEDAK GDNKIGTTIK GIGPAYMDKA ARVGIRIADL LDKDIFAERL RINLAEKNRL FEKMYDSTPL GFDAIFEEYY AYGQEIKQYV TDTSVILNDA LDAGKRVLFE GAQGVMLDID QGTYPFVTSS NPVAGGVTIG SGVGPSKINK VVGVCKAYTS RVGDGPFPTE LFDEVGERIR EVGHEYGTTT GRPRRVGWFD SVVMRHSRRV SGITNLSLNS IDVLSGLDTV KICVAYDLDG KRIDYYPASL EQLKRCKPIY EELPGWQEDI TGVRSLDELP ENARNYVRRV GELVGVRIST FSVGPGREQT NILESVWASI
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	47,350 Da
Sequence Positions	1-430, 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 Q1JNS3
Species	Streptococcus pyogenes serotype M12 (strain MGAS9429)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purA recombinant protein	MBS1422161 is a recombinant protein targeting purA. Also known as Recombinant Streptococcus pyogenes serotype M12 Adenylosuccinate synthetase (purA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purA 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 purA. It may not necessarily be applicable to this product.

NCBI GI #	489077934
NCBI Accession #	WP_002987876.1
UniProt Primary Accession #	Q1JNS3

GenBank Nucleotide #	WP_002987876.1
NCBI Official Full Name	adenylosuccinate synthetase
UniProt Protein Name	Adenylosuccinate synthetase
UniProt Synonym Protein Names	IMP--aspartate ligase
Protein Family	Adenylosuccinate synthetase
UniProt Gene Name	purA
UniProt Synonym Gene Names	AMPSase; AdSS
UniProt Comments for purA	Plays an important role in the de novo pathway of purine nucleotide biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP.
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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