Undecaprenyl Pyrophosphate Synthase (uppS) Streptococcus Pyogenes Serotype M1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Undecaprenyl pyrophosphate synthase (uppS), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M1 Undecaprenyl pyrophosphate synthase (uppS)
Product Gene Name	uppS recombinant protein
Product Synonym Gene Name	uppS
Sequence	MFGLKAKSTK KVLGSIPKHI GIIMDGNGRW AKKRLKPRVF GHKAGMDALQ EVTITASELG VKVLTVYAFS TENWSRPQDE VSFIMNLPVT FFDKYVPVLH ENNVKIQMIG ETSRLPEDTL AALNAAIDKT KRNTGLILNF ALNYGGRAEI TSAVRFIAQD VLDAKLNPGD ITEDLIANYL MTDHLPYLYR DPDLIIRTSG ELRLSNFLPW QSAYSEFYFT PVLWPDFKKA ELLKAIADYN RRQRRFGKV
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	28,257 Da
Sequence Positions	1-249, 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 Q99XY1
Species	Streptococcus pyogenes serotype M1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for uppS recombinant protein	MBS1353686 is a recombinant protein targeting uppS. Also known as Recombinant Streptococcus pyogenes serotype M1 Undecaprenyl pyrophosphate synthase (uppS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of uppS 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 uppS. It may not necessarily be applicable to this product.

NCBI GI #	15675763
NCBI GeneID	901641
NCBI Accession #	NP_269937.1
UniProt Primary Accession #	Q99XY1

UniProt Secondary Accession #	Q48WI1
GenBank Nucleotide #	NC_002737.2
NCBI Official Full Name	putative undecaprenyl pyrophosphate synthetase
NCBI Official Symbol	uppS
UniProt Protein Name	Isoprenyl transferase
Protein Family	Decaprenyl diphosphate synthase
UniProt Gene Name	uppS
NCBI Protein Information	putative undecaprenyl pyrophosphate synthetase
UniProt Comments for uppS	Catalyzes the condensation of isopentenyl diphosphate (IPP) with allylic pyrophosphates generating different type of terpenoids.
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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