Undecaprenyl Pyrophosphate Synthase (uppS) Xylella Fastidiosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Undecaprenyl pyrophosphate synthase (uppS), Recombinant Protein
Full Product Name	Recombinant Xylella fastidiosa Undecaprenyl pyrophosphate synthase (uppS)
Product Gene Name	uppS recombinant protein
Product Synonym Gene Name	uppS
Sequence	MQINTIPVNP TLPRHIAIIM DGNGRWAERR SRPRTTGHRA GVKAAMRTVD FCLEKGIKML TLFAFSSENW NRPADEVNFL MEMSIKLFGR GIEELHRRGV QVRFIGERKR FDIALVEHMT KAEHLTASNQ RLILSLAVSY GGRQDITMAA RALAQDVAAG RLKPEQIDED LLGQHMALAD LPPPDMFIRT SGVIRISNFL LWQIAYTELW FTDVMWPEFN STVLQQALDD YASRERRFGL TNAQIASRGK GSIPA
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	28,905 Da
Sequence Positions	1-255, 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 Q87EH7
Species	Xylella fastidiosa (strain Temecula1 / 700964)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for uppS recombinant protein	MBS1426313 is a recombinant protein targeting uppS. Also known as Recombinant Xylella fastidiosa 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 #	499410125
NCBI Accession #	WP_011097592.1
UniProt Primary Accession #	Q87EH7
GenBank Nucleotide #	WP_011097592.1
NCBI Official Full Name	ditrans,polycis-undecaprenyl-diphosphate synthase ((2E,6E)-farnesyl-diphosphate specific)

UniProt Protein Name	Ditrans,polycis-undecaprenyl-diphosphate synthase ((2E,6E)-farnesyl-diphosphate specific)
UniProt Synonym Protein Names	Ditrans,polycis-undecaprenylcistransferase
Protein Family	Decaprenyl diphosphate synthase
UniProt Gene Name	uppS
UniProt Synonym Gene Names	UDS; UPP synthase
UniProt Comments for uppS	Catalyzes the sequential condensation of isopentenyl diphosphate (IPP) with (2E,6E)-farnesyl diphosphate (E,E-FPP) to yield (2Z,6Z,10Z,14Z,18Z,22Z,26Z,30Z,34E,38E)-undecaprenyl diphosphate (di-trans,octa-cis-UPP). UPP is the precursor of glycosyl carrier lipid in the biosynthesis of bacterial cell wall polysaccharide components such as peptidoglycan and lipopolysaccharide.
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