Tritrans,polycis-Undecaprenyl-Diphosphate Synthase (GGDP Specific) (uppS) Archaeoglobus Fulgidus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tritrans,polycis-undecaprenyl-diphosphate synthase (GGDP specific) (uppS), Recombinant Protein
Full Product Name	Recombinant Archaeoglobus fulgidus Tritrans,polycis-undecaprenyl-diphosphate synthase (GGDP specific)
Product Gene Name	uppS recombinant protein
Sequence	MIFHKIYENK LLRSVRKGAI PHHIAIIMDG NRRFARKKGL EPHEGHFFGS KKAEEVLEWC WDLGVKMLTL YAFSTENFRR SEKEKKNIFQ LLESELRRLL KDRRTYEREL RVKVVGKREL LPENLRETIK EVEERTKKHR RHYLNVAVAY GGRQEIIDAV RAILRKVRKG EVRPEEIDEK MLEEHLYGEG RYSKVDLIIR TGGEQRLSNF LPWQAANSVA YFCDVYWPEF RKIDLLRAIR AWQYRKSHEV V
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	30,091 Da
Sequence Positions	1-251, 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 O29049
Species	Archaeoglobus fulgidus (strain 49558 / VC-16 / DSM 4304 / JCM 9628 / NBRC 100126)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for uppS recombinant protein	MBS1130793 is a recombinant protein targeting uppS. Also known as Recombinant Archaeoglobus fulgidus Tritrans,polycis-undecaprenyl-diphosphate synthase (GGDP specific). 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 #	499181174
NCBI Accession #	WP_010878714.1
UniProt Primary Accession #	O29049
GenBank Nucleotide #	WP_010878714.1
NCBI Official Full Name	UDP diphosphate synthase

UniProt Protein Name	Tritrans,polycis-undecaprenyl-diphosphate synthase (geranylgeranyl-diphosphate specific)
UniProt Synonym Protein Names	Undecaprenyl diphosphate synthase
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 geranylgeranyl diphosphate (GGPP) to yield (2Z,6Z,10Z,14Z,18Z,22Z,26Z,30E,34E,38E)-undecaprenyl diphosphate (tritrans,heptacis-UPP). It is probably the precursor of glycosyl carrier lipids.
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