Non-Canonical Purine NTP Pyrophosphatase (SAR1124) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-canonical purine NTP pyrophosphatase (SAR1124), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Non-canonical purine NTP pyrophosphatase (SAR1124)
Product Gene Name	SAR1124 recombinant protein
Product Synonym Gene Name	SAR1124
Sequence	MKEIVIASNN QGKINDFKVI FPDYHVIGIS ELILDFDVEE TGSTFEENAI LKSEAAAKAL NKTVIADDSG LEVFALNGEP GIYSARYAGE NKSDEANIEK LLNKLGNTTD RRAQFVCVIS MSGPDMETKV FKGTVSGEIA DGKYGENGFG YDPIFYVPKL DRTMAQLSKE QKGQISHRRN AINLLEAYLA GDQNV
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	21,406 Da
Sequence Positions	1-195, 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 Q6GHT4
Species	Staphylococcus aureus (strain MRSA252)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAR1124 recombinant protein	MBS1355331 is a recombinant protein targeting SAR1124. Also known as Recombinant Staphylococcus aureus Non-canonical purine NTP pyrophosphatase (SAR1124). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAR1124 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 SAR1124. It may not necessarily be applicable to this product.

NCBI GI #	446581963
NCBI Accession #	WP_000659309.1
UniProt Primary Accession #	Q6GHT4
GenBank Nucleotide #	WP_000659309.1

NCBI Official Full Name	MULTISPECIES: non-canonical purine NTP pyrophosphatase
UniProt Protein Name	dITP/XTP pyrophosphatase
UniProt Synonym Protein Names	Non-canonical purine NTP pyrophosphatase
UniProt Gene Name	SAR1124
UniProt Synonym Gene Names	NTPase
UniProt Comments for SAR1124	Pyrophosphatase that catalyzes the hydrolysis of nucleoside triphosphates to their monophosphate derivatives, with a high preference for the non-canonical purine nucleotides XTP (xanthosine triphosphate), dITP (deoxyinosine triphosphate) and ITP. Seems to function as a house-cleaning enzyme that removes non-canonical purine nucleotides from the nucleotide pool, thus preventing their incorporation into DNA/RNA and avoiding chromosomal lesions.
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