N-Acetylmannosamine Kinase (nanK) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-acetylmannosamine kinase (nanK), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi N-acetylmannosamine kinase (nanK)
Product Gene Name	nanK recombinant protein
Product Synonym Gene Name	nanK
Sequence	MTTLAIDIGG TKLAAALIDN NLRISQRREL PTPASKTPDA LREALKALVE PLRAEARQVA IASTGIIQEG MLLALNPHNL GGLLHFPLVQ TLETIAGLPT LAVNDAQAAA WAEYHALPDD IRDMVFITVS TGVGGGVVCD GKLLTGKGGL AGHLGHTLAD PHGPVCGCGR VGCVEAIASG RGMAAAARDD LAGCDAKTLF IRAGEGHQQA RHLVSQSAQV IARMIADVKA ITDCQCVVIG GSVGLAEGYL EQVRAFLMQE PEPYHVALSA ARYRHDAGLL GAALLAQGDT L
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	30,178 Da
Sequence Positions	1-291, 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 Q8Z3F1
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nanK recombinant protein	MBS1331191 is a recombinant protein targeting nanK. Also known as Recombinant Salmonella typhi N-acetylmannosamine kinase (nanK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nanK 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 nanK. It may not necessarily be applicable to this product.

NCBI GI #	16762098
NCBI GeneID	1249771
NCBI Accession #	NP_457715.1
UniProt Primary Accession #	Q8Z3F1
GenBank Nucleotide #	NC_003198.1

NCBI Official Full Name	kinase
NCBI Official Symbol	STY3516
UniProt Protein Name	N-acetylmannosamine kinase
UniProt Synonym Protein Names	ManNAc kinase
Protein Family	N-acetylmannosamine kinase
UniProt Gene Name	nanK
NCBI Protein Information	kinase
UniProt Comments for nanK	Catalyzes the phosphorylation of N-acetylmannosamine (ManNAc) to ManNAc-6-P.
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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