# Probable Inorganic Polyphosphate/ATP-NAD Kinase (ppnK) Staphylococcus Epidermidis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Probable inorganic polyphosphate/ATP-NAD kinase (ppnK), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylococcus epidermidis Probable inorganic polyphosphate/ATP-NAD kinase (ppnK) |
| **Product Gene Name** | ppnK recombinant protein |
| **Product Synonym Gene Name** | ppnK |
| **Sequence** | MRYTILTKGD SKSNALKHKM INHMKDFQMV EDSENPEIVI SVGGDGTLLQ AFHQYSHMLS KVAFVGIHTG HLGFYADWLP HEVEKLIIEI NNSEFQVIEY PLLELIVRYN DNGYETRYLA LNEATMKTEN GSTLVVDVNI RGKHFERFRG DGLCISTPSG STAYNKALGG ALIHPSLEAM QIAEIASINN RVFRTVGSPL VLPKHHTCLI TPVNHDTIRT TIDHVSIKHK NVNAIQYRVA NEKVRFARFR PFPFWKRVHD SFISSDDER |
| **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** | 30,603 Da |
| **Sequence Positions** | 1-269, 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 Q5HQG2 |
| **Species** | Staphylococcus epidermidis (strain 35984 / RP62A) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ppnK recombinant protein** | MBS1438092 is a recombinant protein targeting ppnK. Also known as Recombinant Staphylococcus epidermidis Probable inorganic polyphosphate/ATP-NAD kinase (ppnK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ppnK 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 ppnK. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 487747164 |
| **NCBI Accession #** | WP_001829306.1 |
| **UniProt Primary Accession #** | Q5HQG2 |
| **GenBank Nucleotide #** | WP_001829306.1 |

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| **NCBI Official Full Name** | MULTISPECIES: NAD(+) kinase |
| **UniProt Protein Name** | NAD kinase |
| **UniProt Synonym Protein Names** | ATP-dependent NAD kinase |
| **UniProt Gene Name** | nadK |
| **UniProt Comments for ppnK** | Involved in the regulation of the intracellular balance of NAD and NADP, and is a key enzyme in the biosynthesis of NADP. Catalyzes specifically the phosphorylation on 2'-hydroxyl of the adenosine moiety of NAD to yield NADP. |
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