Diacylglycerol Kinase (dagK) Staphylococcus Epidermidis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Diacylglycerol kinase (dagK), Recombinant Protein
Full Product Name	Recombinant Staphylococcus epidermidis Diacylglycerol kinase (dagK)
Product Gene Name	dagK recombinant protein
Product Synonym Gene Name	dagK
Sequence	MRKRARIIYN PTSGKELFKR VLPDALIKLE KAGYETSAYA TEKIGDATFE AERALESEYD LLIAAGGDGT LNEVVNGIAE QPNRPKLGVI PMGTVNDFGR ALHLPSDIMG AIDVIIDGHT TKVDIGKMNN RYFINLAAGG KLTQVSYETP SKLKSIVGPF AYYIKGFEML PQMKAVDVRI EYDDNIFQGE ALLFLLGLTN SMAGFEKLVP DAKLDDGYFT LIIVEKANLA ELGHIMTLAS RGEHTKHPKV IYAKAKSINI SSFTDMQLNV DGEYGGKLPA NFLNLEQHIE IFTPKDVFNE ELLENDTITD ITPDKQ
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	34,950 Da
Sequence Positions	1-316, 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 Q5HN36
Species	Staphylococcus epidermidis (strain 35984 / RP62A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dagK recombinant protein	MBS1324624 is a recombinant protein targeting dagK. Also known as Recombinant Staphylococcus epidermidis Diacylglycerol kinase (dagK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dagK 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 dagK. It may not necessarily be applicable to this product.

NCBI GI #	488415506
NCBI Accession #	WP_002484891.1
UniProt Primary Accession #	Q5HN36
GenBank Nucleotide #	WP_002484891.1
NCBI Official Full Name	MULTISPECIES: diacylglycerol kinase

UniProt Protein Name	Diacylglycerol kinase
Protein Family	Diacylglycerol kinase
UniProt Gene Name	dagK
UniProt Synonym Gene Names	DAG kinase; DAGK
UniProt Comments for dagK	Catalyzes the phosphorylation of diacylglycerol (DAG) into phosphatidic acid. Is a key enzyme involved in the production of lipoteichoic acid by reintroducing DAG formed from the breakdown of membrane phospholipids into the phosphatidylglycerol biosynthetic pathway ().
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