Glycerol Kinase (Glpk), Partial (glpK) Deinococcus Radiodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycerol kinase (glpK), partial, Recombinant Protein
Full Product Name	Recombinant Deinococcus radiodurans Glycerol kinase (glpK), partial
Product Gene Name	glpK recombinant protein
Product Synonym Gene Name	glpK; DR_1928
Product Synonym Names	Glycerol kinase; EC=2.7.1.30; ATP:glycerol 3-phosphotransferase; Glycerokinase; GK
Sequence	MSEHQYILAL DQGTTSSRAI VFDHQGNMKG VGQQEFRQHF PKPGWVEHDA NEIWSTQIGV AQQALSNAGI RASDLAAIGI TNQRETTLIW DRATGKPIHH AIVWQDRRTA PYCDSIRAQH EKTLQDKTGL VLDAYFSGTK VKWLLDNVPG ARERAEKGEL AFGTIDSWLV YNLTGGELHI TDATNASRTL LYNIHTGEWD DELLRILDVP RSVLPEVRNS SEVYGKTAAG LLGAQVPIAG IGGDQQAATF GQACLERGMA KNTYGTGCFM LMNTEGEAVP SQNKLLTTVA WQLDGERTYA LEGSVFIGGA VVQWLRDGLN IIRSSTEIEA LARTVDSSEG VMLVPAFVGL GAPYWDAYAR GTMVGITRGT TKAHIARAAL EAVAYQSAEL LEAMQKDSGV ELKELRVDGG ASTNDLMMQF QADILGVPVI RPKVTETTAL GAAYLAGLAV GYWKSTDDIA HQWQEDKRFE PQMSEEERSK LMRRWKKAVA RARDWEDDSE A
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	55,068 Da
Sequence Positions	1-501aa; 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 Q9RT38
Species	Deinococcus radiodurans (strain 13939 / DSM 20539 / JCM 16871 / LMG 4051 / NBRC 15346 / NCIMB 9279 / R1 / VKM B-1422)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glpK recombinant protein	MBS1402934 is a recombinant protein targeting glpK. Also known as Recombinant Deinococcus radiodurans Glycerol kinase (glpK), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glpK 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 glpK. It may not necessarily be applicable to this product.

NCBI GI #	15806927

NCBI GeneID	1798640
NCBI Accession #	NP_295651.1
UniProt Primary Accession #	Q9RT38
UniProt Related Accession #	Q9RT38
GenBank Nucleotide #	NC_001263.1
NCBI Official Full Name	glycerol kinase
NCBI Official Symbol	DR_1928
UniProt Protein Name	Glycerol kinase
UniProt Synonym Protein Names	ATP:glycerol 3-phosphotransferase; Glycerokinase
Protein Family	Glycerol kinase
UniProt Gene Name	glpK
UniProt Synonym Gene Names	DR_1928; GK
UniProt Entry Name	GLPK_DEIRA
NCBI Protein Information	glycerol kinase
UniProt Comments for glpK	Key enzyme in the regulation of glycerol uptake and metabolism. Catalyzes the phosphorylation of glycerol to yield sn-glycerol 3-phosphate.
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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