Glycerol Kinase (glpK) Alcanivorax Borkumensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycerol kinase (glpK), Recombinant Protein
Full Product Name	Recombinant Alcanivorax borkumensis Glycerol kinase (glpK)
Product Gene Name	glpK recombinant protein
Product Synonym Gene Name	glpK
Sequence	MPYILSIDQG TTSSRAIVFD ANGHACGQAQ KEFRQYFPED GWVEHDAMEI WNDTLAMCQQ ALRNARVEAQ QLVAIGITNQ RETTVLWDRE TGDPLARAIV WQDRRTASTC EALRDQGHEN QVRSKTGLLL DPYFSATKLA WLLDNVPNAR QRAEAGELAF GTIDSWLLWQ LTRGKVHATD ATNASRTLLF NIHEQCWDEE LLTLFNVPAS VLPDVRDSAA DFGTTCPELL GAAVPVTGIA GDQQAALVGQ ACFAPGMVKS TYGTGCFMVM NTGEAVESHN RLLTTVGYRL NGKTTYALEG SIFVAGAAIQ WLRDGLHLIR DARETEALAR RVGSAGGVYL VPAFTGLGAP WWDPHARGAL MGLTRDTGIA EVVTAGLEAV CYQSRDLLDA MAADCGTRPT TLRVDGGMVV NNWLSQTLSD VLGVCVDRPV VTETTALGAA YLAGLGVGLY ASLESIAEQW RCERGFSPAL AEPERQKRYQ GWRDAVARVC QTSRGAN
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	54,056 Da
Sequence Positions	1-497, 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 Q0VRN6
Species	Alcanivorax borkumensis (strain SK2 / 700651 / DSM 11573)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glpK recombinant protein	MBS1479377 is a recombinant protein targeting glpK. Also known as Recombinant Alcanivorax borkumensis Glycerol kinase (glpK). 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 #	499907265
NCBI Accession #	WP_011587999.1
UniProt Primary Accession #	Q0VRN6

GenBank Nucleotide #	WP_011587999.1
NCBI Official Full Name	MULTISPECIES: glycerol kinase
UniProt Protein Name	Glycerol kinase
UniProt Synonym Protein Names	ATP:glycerol 3-phosphotransferase
Protein Family	Glycerol kinase
UniProt Gene Name	glpK
UniProt Synonym Gene Names	GK
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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