Phosphoglycolate Phosphatase (gph) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoglycolate phosphatase (gph), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Phosphoglycolate phosphatase (gph)
Product Gene Name	gph recombinant protein
Product Synonym Gene Name	gph
Sequence	MDKLQNIRGV AFDLDGTLVD SAPGLAAAVD MALYALELPV AGEERVITWI GNGADVLMER ALTWAREERA TLRKTMGKPP VDEDIPAEEQ VRILRKLFDR YYGEVAEEGT VLFPHVADTL GALHASGLSL GLVTNKPTPF VAPLLESLDI AKYFSVVIGG DDVQNKKPHP EPLLLVASRL GMMPEQMLFV GDSRNDIQAA KAAGCPSVGL TYGYNYGEAI ALSEPDVIYD SFNDLLPALG LPHSDNQEIK ND
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	27,303 Da
Sequence Positions	1-252, 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 Q8ZLK5
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gph recombinant protein	MBS1307102 is a recombinant protein targeting gph. Also known as Recombinant Salmonella typhimurium Phosphoglycolate phosphatase (gph). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gph 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 gph. It may not necessarily be applicable to this product.

NCBI GI #	16766770
NCBI GeneID	1255005
NCBI Accession #	NP_462385.1
UniProt Primary Accession #	Q8ZLK5
UniProt Related Accession #	Q8ZLK5

GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	phosphoglycolate phosphatase
NCBI Official Symbol	gph
UniProt Protein Name	Phosphoglycolate phosphatase
Protein Family	Phosphoglycolate phosphatase
UniProt Gene Name	gph
UniProt Synonym Gene Names	PGP; PGPase
NCBI Protein Information	phosphoglycolate phosphatase
UniProt Comments for gph	Specifically catalyzes the dephosphorylation of 2-phosphoglycolate. Is involved in the dissimilation of the intracellular 2-phosphoglycolate formed during the DNA repair of 3'-phosphoglycolate ends, a major class of DNA lesions induced by oxidative stress.
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