Phosphoglycolate Phosphatase (Sch_3414) (SCH_3414) Salmonella Choleraesuis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoglycolate phosphatase (SCH_3414), Recombinant Protein
Full Product Name	Recombinant Salmonella choleraesuis Phosphoglycolate phosphatase (SCH_3414)
Product Gene Name	SCH_3414 recombinant protein
Product Synonym Gene Name	SCH_3414
Sequence	MDKLQNIRGV AFDLDGTLVD SAPGLAAAVD MALYALELPV AGEERVITWI GNGADVLMER ALTWAREERA TLRKTMGKPP VDEDIPAEEQ VRILRKLFDR YYGEVAEEGT FLFPHVADTL GALNASGLSL 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	27,328 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 Q57IZ2
Species	Salmonella choleraesuis (strain SC-B67)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SCH_3414 recombinant protein	MBS1309955 is a recombinant protein targeting SCH_3414. Also known as Recombinant Salmonella choleraesuis Phosphoglycolate phosphatase (SCH_3414). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SCH_3414 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 SCH_3414. It may not necessarily be applicable to this product.

NCBI GI #	446281799
NCBI Accession #	WP_000359654.1
UniProt Primary Accession #	Q57IZ2
GenBank Nucleotide #	WP_000359654.1

NCBI Official Full Name	phosphoglycolate phosphatase
UniProt Protein Name	Phosphoglycolate phosphatase
UniProt Gene Name	SCH_3414
UniProt Synonym Gene Names	PGP; PGPase
UniProt Comments for SCH_3414	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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