Protein Kinase Ospg (ospG) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein kinase OspG (ospG), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri Protein kinase OspG (ospG)
Product Gene Name	ospG recombinant protein
Product Synonym Gene Name	ospG
Sequence	MKITSTIIQT PFPFENNNSH AGIVTEPILG KLIGQGSTAE IFEDVNDSSA LYKKYDLIGN QYNEILEMAW QESELFNAFY GDEASVVIQY GGDVYLRMLR VPGTPLSDID TADIPDNIES LYLQLICKLN ELSIIHYDLN TGNMLYDKES ESLFPIDFRN IYAEYYAATK KDKEIIDRRL QMRTNDFYSL LNRKYL
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	22,570 Da
Sequence Positions	1-196, 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 Q99PZ6
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ospG recombinant protein	MBS1316776 is a recombinant protein targeting ospG. Also known as Recombinant Shigella flexneri Protein kinase OspG (ospG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ospG 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 ospG. It may not necessarily be applicable to this product.

NCBI GI #	13449175
NCBI GeneID	876678
NCBI Accession #	NP_085391.1
UniProt Primary Accession #	Q99PZ6
UniProt Secondary Accession #	Q7BCI9; Q7BEJ9
GenBank Nucleotide #	NC_002698.1

NCBI Official Full Name	hypothetical protein pWR501_0237 (plasmid)
NCBI Official Symbol	pWR501_0237
NCBI Official Synonym Symbols	S0237
UniProt Protein Name	Protein kinase OspG
UniProt Synonym Protein Names	Effector protein OspG
Protein Family	Protein kinase
UniProt Gene Name	ospG
NCBI Protein Information	hypothetical protein
UniProt Comments for ospG	Effector proteins function to alter host cell physiology and promote bacterial survival in host tissues. This protein is a kinase that is involved in down-regulation of the host innate response induced by invasive bacteria. Prevents or at least delays host phospho-NF-kappa-B inhibitor alpha (NFKBIA) degradation. Does not phosphorylate E2 enzymes.
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