Phosphate Regulon Transcriptional Regulatory Protein Phob (phoB) Klebsiella Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate regulon transcriptional regulatory protein phoB (phoB), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae Phosphate regulon transcriptional regulatory protein phoB (phoB)
Product Gene Name	phoB recombinant protein
Sequence	MARRILVVED EAPIREMVCF VLEQNGFQPV EAEDYDSAVN QLNEPWPDLI LLDWMLPGGS GLQFIKLLKR EAMTRDIPVV MLTARGEEED RVRGLETGAD DYITKPFSPK ELVARIKAVM RRISPMAVEE VIEMQGLSLD PSSHRVMTGD SPLDMGPTEF KLLHFFMTHP ERVYSREQLL NHVWGTNVYV EDRTVDVHIR RLRKALEHSG HDRMVQTVRG TGYRFSARF
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	26,379 Da
Sequence Positions	1-229, 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 P45605
Species	Klebsiella pneumoniae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for phoB recombinant protein	MBS1129295 is a recombinant protein targeting phoB. Also known as Recombinant Klebsiella pneumoniae Phosphate regulon transcriptional regulatory protein phoB (phoB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of phoB 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 phoB. It may not necessarily be applicable to this product.

NCBI GI #	488979503
NCBI Accession #	WP_002890343.1
UniProt Primary Accession #	P45605
GenBank Nucleotide #	WP_002890343.1
NCBI Official Full Name	MULTISPECIES: DNA-binding response regulator

UniProt Protein Name	Phosphate regulon transcriptional regulatory protein PhoB
Protein Family	Alkaline phosphatase
UniProt Gene Name	phoB
UniProt Comments for phoB	This protein is a positive regulator for the phosphate regulon. Transcription of this operon is positively regulated by PhoB and PhoR when phosphate is limited.
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