Curved DNA-Binding Protein (cbpA) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Curved DNA-binding protein (cbpA), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A Curved DNA-binding protein (cbpA)
Product Gene Name	cbpA recombinant protein
Product Synonym Gene Name	cbpA
Sequence	MELKDYYAIM GVKPTDDLKT IKTAYRRLAR KYHPDVSKEP DAEARFKEVA EAWEVLSDEQ RRAEYDQLWQ HRNDPQFNRQ FQQHEGQPYN AEDFDDIFSS IFGQHGRHSH HRHAARGHDI EIEVAVFLEE TLEEHQRTIS YSVPVYNAFG LVEREIPKTL NVKIPAGVSN GQRIRLKGQG TPGENGGPNG DLWLVIHIAP HPLFDIVNQD LEVVLPLAPW EAALGAKVSV PTLKERILLT IPPGSQAGQR LRIKGKGLAS KKHTGDLYAI IKIVMPPKPD EKTAALWQQL ADAQSSFDPR QQWGKA
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	34,693 Da
Sequence Positions	1-306, Full length
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 Q5PGA2
Species	Salmonella paratyphi A (strain 9150 / SARB42)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cbpA recombinant protein	MBS1418817 is a recombinant protein targeting cbpA. Also known as Recombinant Salmonella paratyphi A Curved DNA-binding protein (cbpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cbpA 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 cbpA. It may not necessarily be applicable to this product.

NCBI GI #	446342748
NCBI Accession #	WP_000420603.1
UniProt Primary Accession #	Q5PGA2
GenBank Nucleotide #	WP_000420603.1
NCBI Official Full Name	curved DNA-binding protein

UniProt Protein Name	Curved DNA-binding protein
Protein Family	Calcium-binding protein
UniProt Gene Name	cbpA
UniProt Comments for cbpA	DNA-binding protein that preferentially recognizes a curved DNA sequence. It is probably a functional analog of DnaJ; displays overlapping activities with DnaJ, but functions under different conditions, probably acting as a molecular chaperone in an adaptive response to environmental stresses other than heat shock. Lacks autonomous chaperone activity; binds native substrates and targets them for recognition by DnaK. Its activity is inhibited by the binding of CbpM.
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