Flagellar Transcriptional Regulator Flhd (flhD) Xenorhabdus Nematophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Flagellar transcriptional regulator FlhD (flhD), Recombinant Protein
Full Product Name	Recombinant Xenorhabdus nematophilus Flagellar transcriptional regulator FlhD (flhD)
Product Gene Name	flhD recombinant protein
Product Synonym Gene Name	flhD
Sequence	MSTVELLKHI YDINLSYLLL AQRLINHEKA SAMFRLGISE SMADTLAELT LPQLVKLAET NQLICHFRFE DHETVQQLTK ESRVDDLQQI HTGILLSTHL FQQLSAQDDT SIKKRA
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	13,303 Da
Sequence Positions	1-116, 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 Q9X9F2
Species	Xenorhabdus nematophilus (Achromobacter nematophilus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for flhD recombinant protein	MBS1329601 is a recombinant protein targeting flhD. Also known as Recombinant Xenorhabdus nematophilus Flagellar transcriptional regulator FlhD (flhD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of flhD 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 flhD. It may not necessarily be applicable to this product.

NCBI GI #	498912028
NCBI Accession #	WP_010847229.1
UniProt Primary Accession #	Q9X9F2
GenBank Nucleotide #	WP_010847229.1
NCBI Official Full Name	MULTISPECIES: flagellar transcriptional activator FlhD
UniProt Protein Name	Flagellar transcriptional regulator FlhD

Protein Family	Flagellar transcriptional regulator
UniProt Gene Name	flhD
UniProt Comments for flhD	Functions in complex with FlhC as a master transcriptional regulator that regulates transcription of several flagellar and non-flagellar operons by binding to their promoter region. Activates expression of class 2 flagellar genes, including fliA, which is a flagellum-specific sigma factor that turns on the class 3 genes. Also regulates genes whose products function in a variety of physiological pathways.
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