DNA-Binding Protein Hu (hup) Helicobacter Pylori Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-binding protein HU (hup), Recombinant Protein
Full Product Name	Recombinant Helicobacter pylori DNA-binding protein HU (hup)
Product Gene Name	hup recombinant protein
Sequence	MNKAEFIDLV KEAGKYNSKR EAEEAISAFT LAVETALSKG ESVELIGFGK FETAEQKGKE GKVPGSDKTY KTEDKRVPKF KPGKTLKQKV EEGK
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	10,384 Da
Sequence Positions	1-94, 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 O25506
Species	Helicobacter pylori (strain 700392 / 26695) (Campylobacter pylori)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hup recombinant protein	MBS1111706 is a recombinant protein targeting hup. Also known as Recombinant Helicobacter pylori DNA-binding protein HU (hup). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hup 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 hup. It may not necessarily be applicable to this product.

NCBI GI #	15645454
NCBI GeneID	899366
NCBI Accession #	NP_207628.1
UniProt Primary Accession #	O25506
UniProt Related Accession #	O25506
GenBank Nucleotide #	NC_000915.1
NCBI Official Full Name	histone-like DNA-binding protein HU

NCBI Official Symbol	HP0835
UniProt Protein Name	DNA-binding protein HU
Protein Family	DNA-binding protein
UniProt Gene Name	hup
NCBI Protein Information	histone-like DNA-binding protein HU
UniProt Comments for hup	Histone-like DNA-binding protein which is capable of wrapping DNA to stabilize it, and thus to prevent its denaturation under extreme environmental conditions.
Research Articles on hup	**1.** The amino-terminal domain of HU is relevant to DNA-protein complex formation and the flexible arm of HU is involved in the bending and compaction activities of HU.
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