Oric-Binding Nucleoid-Associated Protein (cnu) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	OriC-binding nucleoid-associated protein (cnu), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 OriC-binding nucleoid-associated protein (cnu)
Product Gene Name	cnu recombinant protein
Product Synonym Gene Name	cnu
Sequence	MTVQDYLLKF RKISSLESLE KLYDHLNYTL TDDQELINMY RAADHRRAEL VSGGRLFDLG QVPKSVWHYV Q
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	8,417 Da
Sequence Positions	1-71, 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 Q32FE8
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cnu recombinant protein	MBS1377903 is a recombinant protein targeting cnu. Also known as Recombinant Shigella dysenteriae serotype 1 OriC-binding nucleoid-associated protein (cnu). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cnu 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 cnu. It may not necessarily be applicable to this product.

NCBI GI #	446140095
NCBI Accession #	WP_000217950.1
UniProt Primary Accession #	Q32FE8
GenBank Nucleotide #	WP_000217950.1
NCBI Official Full Name	MULTISPECIES: nucleoid-associated protein
UniProt Protein Name	OriC-binding nucleoid-associated protein

UniProt Synonym Protein Names	H-NS/StpA-binding protein 2; Transcription modulator YdgT
Protein Family	OriC-binding nucleoid-associated protein
UniProt Gene Name	cnu
UniProt Synonym Gene Names	ydgT
UniProt Comments for cnu	Modifies the set of genes regulated by H-NS; Hha and cnu (YdgT) increase the number of genes bound by H-NS/StpA and may also modulate the oligomerization of the H-NS/StpA-complex on DNA. The complex formed with H-NS binds to the specific 26-bp cnb site in the origin of replication oriC.
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