Fe/S Biogenesis Protein Nfua (nfuA) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fe/S biogenesis protein NfuA (nfuA), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b Fe/S biogenesis protein NfuA (nfuA)
Product Gene Name	nfuA recombinant protein
Product Synonym Gene Name	nfuA
Sequence	MIRISDAAQA HFAKLLANQE EGTQIRVFVI NPGTPNAECG VSYCPPDAVE ATDTALKFDL LTAYVDELSA PYLEDAEIDF VTDQLGSQLT LKAPNAKMRK VADDAPLMER VEYMLQSQIN PQLAGHGGRV SLMEITEDGY AILQFGGGCN GCSMVDVTLK EGIEKQLLNE FPELKGVRDL TEHQRGEHSY Y
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	20,998 Da
Sequence Positions	1-191, 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 Q0SZQ1
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nfuA recombinant protein	MBS1420952 is a recombinant protein targeting nfuA. Also known as Recombinant Shigella flexneri serotype 5b Fe/S biogenesis protein NfuA (nfuA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nfuA 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 nfuA. It may not necessarily be applicable to this product.

NCBI GI #	446542043
NCBI Accession #	WP_000619389.1
UniProt Primary Accession #	Q0SZQ1
GenBank Nucleotide #	WP_000619389.1
NCBI Official Full Name	MULTISPECIES: Fe-S biogenesis protein NfuA
UniProt Protein Name	Fe/S biogenesis protein NfuA

Protein Family	Fe/S biogenesis protein
UniProt Gene Name	nfuA
UniProt Comments for nfuA	Involved in iron-sulfur cluster biogenesis. Binds a 4Fe-4S cluster, can transfer this cluster to apoproteins, and thereby intervenes in the maturation of Fe/S proteins. Could also act as a scaffold/chaperone for damaged Fe/S proteins.
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