High-Affinity Zinc Uptake System Protein Znua (znuA) Brucella Melitensis Biotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	High-affinity zinc uptake system protein znuA (znuA), Recombinant Protein
Full Product Name	Recombinant Brucella melitensis biotype 1 High-affinity zinc uptake system protein znuA (znuA)
Product Gene Name	znuA recombinant protein
Product Synonym Gene Name	znuA
Sequence	GEREGVVVSI KPLHSIVSAV MQGVGKPKLI VQGAGSEHVY SLKPSDAEAI EHAKVIFWAG PSMETFLDKP IDTLGEGAKV VALGDAKGLT KLKFREGGPF EAHDHGHGGS HEEEHDAHGS GDHDHAAEVA EEGHEHHHHG EYDLHFWLDP QNGKILAADI AKTLGESDPE HAAQYEKNAK AYGEKLDALT REVAAELKPV KDKPFIVFHD AYQYFENRFG MKAAGSITVS PEKAPGAARI QQIHDKIKSL GATCVFSEPQ FEPKLVKTVV DGTKARTGVL DPLGAELKDG PDLYPQLIRN LANSLKDCLS K
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	36,036 Da
Sequence Positions	24-334, 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 Q8YDJ7
Species	Brucella melitensis biotype 1 (strain 16M / 23456 / 10094)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for znuA recombinant protein	MBS1339526 is a recombinant protein targeting znuA. Also known as Recombinant Brucella melitensis biotype 1 High-affinity zinc uptake system protein znuA (znuA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of znuA 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 znuA. It may not necessarily be applicable to this product.

NCBI GI #	490818855
NCBI Accession #	WP_004680953.1
UniProt Primary Accession #	Q8YDJ7
GenBank Nucleotide #	WP_004680953.1

NCBI Official Full Name	MULTISPECIES: zinc ABC transporter substrate-binding protein
UniProt Protein Name	High-affinity zinc uptake system protein ZnuA
Protein Family	High-affinity zinc uptake system binding-protein
UniProt Gene Name	znuA
UniProt Comments for znuA	Involved in the high-affinity zinc uptake transport system. Required for survival and normal growth under low Zn (2+) concentrations. Also required for virulence and intracellular growth in host cells ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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