Cobalt Transport Protein Cbin (Cbin) (SSPA0794) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cobalt transport protein CbiN (cbiN) (SSPA0794), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A Cobalt transport protein CbiN (cbiN)
Product Gene Name	SSPA0794 recombinant protein
Product Synonym Gene Name	cbiN
Product Synonym Names	Recombinant Cobalt transport protein CbiN (cbiN); Cobalt transport protein CbiN; Energy-coupling factor transporter probable substrate-capture protein CbiN; ECF transporter S component CbiN
Sequence	MKKTLMLLAM VVALVILPFF INHGGEYGGS DGEAESQIQA LAPQYKPWFQ PLYEPASGEI ESLLFTLQGS LGAAVIFYIL GYCKGKQRRD DRA
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	10,269 Da
Sequence Positions	1-93
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.
Chromosome Location	NC_011147.1 (936866..937147). Location: country: Pakistan:Karachi
3D Structure	ModBase 3D Structure for B5BG54
Species	Salmonella paratyphi A (strain AKU_12601)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SSPA0794 recombinant protein	MBS1253942 is a recombinant protein targeting SSPA0794. Also known as Recombinant Salmonella paratyphi A Cobalt transport protein CbiN (cbiN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SSPA0794 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 SSPA0794. It may not necessarily be applicable to this product.

NCBI GI #	197361998
NCBI GeneID	6810075
NCBI Accession #	YP_002141635.1

UniProt Primary Accession #	B5BG54
UniProt Related Accession #	B5BG54
GenBank Nucleotide #	NC_011147.1
NCBI Official Full Name	cobalt transport protein CbiN
NCBI Official Symbol	SSPA0794
UniProt Protein Name	Cobalt transport protein CbiN
UniProt Synonym Protein Names	Energy-coupling factor transporter probable substrate-capture protein CbiN
UniProt Gene Name	cbiN
UniProt Synonym Gene Names	ECF transporter S component CbiN
UniProt Entry Name	CBIN_SALPK
NCBI Protein Information	cobalt transport protein CbiN
UniProt Comments for SSPA0794	Function: Part of the energy-coupling factor (ECF) transporter complex CbiMNOQ involved in cobalt import By similarity. HAMAP-Rule MF_00330 Pathway: Cofactor biosynthesis; adenosylcobalamin biosynthesis. HAMAP-Rule MF_00330 Subunit structure: Forms an energy-coupling factor (ECF) transporter complex composed of an ATP-binding protein (A component, CbiO), a transmembrane protein (T component, CbiQ) and 2 possible substrate-capture proteins (S components, CbiM and CbiN) of unknown stoichimetry By similarity. Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_00330. Sequence similarities: Belongs to the CbiN family.
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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