UPF0272 Protein Ckl_0332 (Ckl_0332) (CKL_0332) Clostridium Kluyveri Recombinant Protein

PRODUCT OVERVIEW

Product Name	UPF0272 protein CKL_0332 (CKL_0332), Recombinant Protein
Full Product Name	Recombinant Clostridium kluyveri UPF0272 protein CKL_0332 (CKL_0332)
Product Gene Name	CKL_0332 recombinant protein
Sequence	MKILYYDCFC GISGDMNLAA LIDLGVPKEY LMEELSKVNL NSEYEMKIER SVKLGITGTR VDVKLNESSH GEEEHGHDHY HHHRKLKDIE KIINSSHLSD KVKNISLGMF MKIAEAEAKI HGKSLCEVHF HEVGAIDSIV DLVGAAICID YLKVDRIIAS PVQVGGGFVE CSHGIIPVPA PATTEILKNI PISTGIVQFE TTTPTGAAIL AVNVEEFTSK IDFSIEKIGY GIGHRDLEIP NVLRVYLGEQ ERSEKVEEQY ILETNIDDMN PEFYEYVQER LFEVGALDVF KTPIYMKKGR PGINLSVLIS EKGEKDVLDV IFEETTSIGV RKHKVEKIML NRDFSKVKTE YGDITVKKSY YKGKLVKYKP EYEECKAIAK EKNISIDKIY KVVYRQDLN
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	45,124 Da
Sequence Positions	1-399, 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 A5N505
Species	Clostridium kluyveri (strain 8527 / DSM 555 / NCIMB 10680)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CKL_0332 recombinant protein	MBS1258606 is a recombinant protein targeting CKL_0332. Also known as Recombinant Clostridium kluyveri UPF0272 protein CKL_0332 (CKL_0332). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CKL_0332 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 CKL_0332. It may not necessarily be applicable to this product.

NCBI GI #	500757634
NCBI Accession #	WP_011988901.1
UniProt Primary Accession #	A5N505
GenBank Nucleotide #	WP_011988901.1

NCBI Official Full Name	TIGR00299 family protein
UniProt Protein Name	Pyridinium-3,5-bisthiocarboxylic acid mononucleotide nickel insertion protein
UniProt Synonym Protein Names	Nickel-pincer cofactor biosynthesis protein LarC
Protein Family	UPF0272 protein
UniProt Gene Name	larC
UniProt Synonym Gene Names	P2TMN nickel insertion protein
UniProt Comments for CKL_0332	Involved in the biosynthesis of a nickel-pincer cofactor ((SCS)Ni(II) pincer complex). Binds Ni2+, and functions in nickel delivery to pyridinium-3,5-bisthiocarboxylic acid mononucleotide (P2TMN), to form the mature cofactor. Is thus probably required for the activation of nickel-pincer cofactor-dependent enzymes.
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