Iron-Sulfur Cluster Insertion Protein Erpa (erpA) Nitrosococcus Oceani Recombinant Protein

PRODUCT OVERVIEW

Product Name	Iron-sulfur cluster insertion protein ErpA (erpA), Recombinant Protein
Full Product Name	Recombinant Nitrosococcus oceani Iron-sulfur cluster insertion protein ErpA (erpA)
Product Gene Name	erpA recombinant protein
Product Synonym Gene Name	erpA
Sequence	MNVTNAMPNP LIFTDIAAGK VKELIEEEGN DKLMLRVFIT GGGCSGFQYG FTFDETSHEG DTRVKNGGVT LLIDPTSYQY LVGAEIDYTE GLEGAQFVIR NPNAETTCGC GSSFSP
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	12,481 Da
Sequence Positions	1-116, 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 Q3JC94
Species	Nitrosococcus oceani (strain 19707 / NCIMB 11848)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for erpA recombinant protein	MBS1353996 is a recombinant protein targeting erpA. Also known as Recombinant Nitrosococcus oceani Iron-sulfur cluster insertion protein ErpA (erpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of erpA 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 erpA. It may not necessarily be applicable to this product.

NCBI GI #	488899036
NCBI Accession #	WP_002810132.1
UniProt Primary Accession #	Q3JC94
GenBank Nucleotide #	WP_002810132.1
NCBI Official Full Name	iron-sulfur cluster insertion protein ErpA
UniProt Protein Name	Iron-sulfur cluster insertion protein ErpA

Protein Family	Iron-sulfur cluster insertion protein
UniProt Gene Name	erpA
UniProt Comments for erpA	Required for insertion of 4Fe-4S clusters for at least IspG.
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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