Urease Accessory Protein Ureg (ureG) Trichodesmium Erythraeum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Urease accessory protein UreG (ureG), Recombinant Protein
Full Product Name	Recombinant Trichodesmium erythraeum Urease accessory protein UreG (ureG)
Product Gene Name	ureG recombinant protein
Product Synonym Gene Name	ureG
Sequence	MTTAARLGIG GPVGSGKTAL LECIVPLLTN QGIEVAIVTN DLLTTEDAER LKSGGILPRD RIIGVETGSC PHTAIREDPT MNILAVQDLE QLFPNLNLIM IESGGDNLAS TFSYDLVDAY IFVIDVGAGD DIPRKKGPGF MQADLVVINK IDLAPYVNAN LNLIRKEASV YRQSKPIAYT NCKTGVGLNE VVNFILERVL FRTALSVKNL EK
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	22,913 Da
Sequence Positions	1-212, 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 Q117Z7
Species	Trichodesmium erythraeum (strain IMS101)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ureG recombinant protein	MBS1470792 is a recombinant protein targeting ureG. Also known as Recombinant Trichodesmium erythraeum Urease accessory protein UreG (ureG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ureG 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 ureG. It may not necessarily be applicable to this product.

NCBI GI #	499929836
NCBI Accession #	WP_011610570.1
UniProt Primary Accession #	Q117Z7
GenBank Nucleotide #	WP_011610570.1
NCBI Official Full Name	urease accessory protein UreG
UniProt Protein Name	Urease accessory protein UreG

Protein Family	Urease accessory protein
UniProt Gene Name	ureG
UniProt Comments for ureG	Facilitates the functional incorporation of the urease nickel metallocenter. This process requires GTP hydrolysis, probably effectuated by UreG.
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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