NADH-Quinone Oxidoreductase Subunit G (nuoG) Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-quinone oxidoreductase subunit G (nuoG), Recombinant Protein
Full Product Name	Recombinant Buchnera aphidicola subsp. Baizongia pistaciae NADH-quinone oxidoreductase subunit G (nuoG), partial
Product Gene Name	nuoG recombinant protein
Product Synonym Gene Name	nuoG
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	103,415 Da
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 Q89AU1
Species	Buchnera aphidicola subsp. Baizongia pistaciae (strain Bp)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nuoG recombinant protein	MBS1428012 is a recombinant protein targeting nuoG. Also known as Recombinant Buchnera aphidicola subsp. Baizongia pistaciae NADH-quinone oxidoreductase subunit G (nuoG), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nuoG 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 nuoG. It may not necessarily be applicable to this product.

NCBI GI #	499403816
NCBI Accession #	WP_011091283.1
UniProt Primary Accession #	Q89AU1
GenBank Nucleotide #	WP_011091283.1
NCBI Official Full Name	NADH-quinone oxidoreductase subunit G
UniProt Protein Name	NADH-quinone oxidoreductase subunit G
UniProt Synonym Protein Names	NADH dehydrogenase I subunit G; NDH-1 subunit G
Protein Family	NADH-quinone oxidoreductase

UniProt Gene Name	nuoG
UniProt Comments for nuoG	NDH-1 shuttles electrons from NADH, via FMN and iron-sulfur (Fe-S) centers, to quinones in the respiratory chain. Couples the redox reaction to proton translocation (for every two electrons transferred, four hydrogen ions are translocated across the cytoplasmic membrane), and thus conserves the redox energy in a proton gradient ().
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