ATP Synthase Subunit Alpha 1 (atpA1) Rhodobacter Sphaeroides Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit alpha 1 (atpA1), Recombinant Protein
Full Product Name	Recombinant Rhodobacter sphaeroides ATP synthase subunit alpha 1 (atpA1), partial
Product Gene Name	atpA1 recombinant protein
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	55,187 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 A3PIB7
Species	Rhodobacter sphaeroides (strain 17029 / ATH 2.4.9)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpA1 recombinant protein	MBS1228347 is a recombinant protein targeting atpA1. Also known as Recombinant Rhodobacter sphaeroides ATP synthase subunit alpha 1 (atpA1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpA1 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 atpA1. It may not necessarily be applicable to this product.

NCBI GI #	488807054
NCBI GeneID	3719828
NCBI Accession #	WP_002719460.1
UniProt Primary Accession #	A3PIB7
UniProt Related Accession #	Q3J433
GenBank Nucleotide #	WP_002719460.1
NCBI Official Full Name	MULTISPECIES: ATP synthase subunit alpha
NCBI Official Symbol	atpA
UniProt Protein Name	ATP synthase subunit alpha 1
UniProt Synonym Protein Names	ATP synthase F1 sector subunit alpha 1

Protein Family	ATP synthase
UniProt Gene Name	atpA1
NCBI Protein Information	ATP synthase F1 subcomplex alpha subunit
UniProt Comments for atpA1	Produces ATP from ADP in the presence of a proton gradient across the membrane. The alpha chain is a regulatory subunit.
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