ATP Synthase Subunit Alpha (atpA) Escherichia Coli O9:h4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit alpha (atpA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O9:H4 ATP synthase subunit alpha (atpA)
Product Gene Name	atpA recombinant protein
Sequence	MQLNSTEISE LIKQRIAQFN VVSEAHNEGT IVSVSDGVIR IHGLADCMQG EMISLPGNRY AIALNLERDS VGAVVMGPYA DLAEGMKVKC TGRILEVPVG RGLLGRVVNT LGAPIDGKGP LDHDGFSAVE AIAPGVIERQ SVDQPVQTGY KAVDSMIPIG RGQRELIIGD RQTGKTALAI DAIINQRDSG IKCIYVAIGQ KASTISNVVR KLEEHGALAN TIVVVATASE SAALQYLAPY AGCAMGEYFR DRGEDALIIY DDLSKQAVAY RQISLLLRRP PGREAFPGDV FYLHSRLLER AARVNAEYVE AFTKGEVKGK TGSLTALPII ETQAGDVSAF VPTNVISITD GQIFLETNLF NAGIRPAVNP GISVSRVGGA AQTKIMKKLS GGIRTALAQY RELAAFSQFA SDLDDATRKQ LDHGQKVTEL LKQKQYAPMS VAQQSLVLFA AERGYLADVE LSKIGSFEAA LLAYVDRDHA PLMQEINQTG GYNDEIEGKL KGILDSFKAT QSW
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	55,222 Da
Sequence Positions	1-513, 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 A8A6J7
Species	Escherichia coli O9:H4 (strain HS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpA recombinant protein	MBS1247886 is a recombinant protein targeting atpA. Also known as Recombinant Escherichia coli O9:H4 ATP synthase subunit alpha (atpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpA 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 atpA. It may not necessarily be applicable to this product.

NCBI GI #	447099489
NCBI Accession #	WP_001176745.1
UniProt Primary Accession #	A8A6J7
GenBank Nucleotide #	WP_001176745.1

NCBI Official Full Name	MULTISPECIES: ATP synthase subunit alpha
UniProt Protein Name	ATP synthase subunit alpha
UniProt Synonym Protein Names	ATP synthase F1 sector subunit alpha
Protein Family	ATP synthase
UniProt Gene Name	atpA
UniProt Comments for atpA	Produces ATP from ADP in the presence of a proton gradient across the membrane. The alpha chain is a regulatory subunit.
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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