ATP Synthase Subunit Beta (atpD) Nitrobacter Hamburgensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit beta (atpD), Recombinant Protein
Full Product Name	Recombinant Nitrobacter hamburgensis ATP synthase subunit beta (atpD)
Product Gene Name	atpD recombinant protein
Product Synonym Gene Name	atpD
Sequence	MASPANQTGR ITQVIGAVVD VQFEGHLPAI LNAIETKNGD NRLVLEVAQH LGESTVRTIA MDTTEGLVRG QEVKDTGNPI LVPVGVGTLG RIMNVIGEPV DEQGPVKAED MRAIHQEAPL YTDQSTEAEI LVTGIKVVDL LAPYAKGGKI GLFGGAGVGK TVLIQELINN VAKAHGGYSV FAGVGERTRE GNDLYHEFIE SGVNKKGGGE GSKCALVYGQ MNEPPGARAR VALSGLTVAE HFRDQGQDVL FFVDNIFRFT QAGSEVSALL GRIPSAVGYQ PTLATDMGAL QERITTTTKG SITSIQAIYV PADDLTDPAP ATSFAHLDAT TTLNRAISEK GIYPAVDPLD STSRMLSPLI VGEEHYQTAR MVQQVLQRYK SLQDIIAILG MDELSEEDKI AVARARKIER FLSQPFFVAE IFTGAPGKFV DLADTIKGFR AICDGKYDHL PEAAFYMVGT IEEAVEKGKK LAAEAA
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	50,937 Da
Sequence Positions	1-476, 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 Q1QQS8
Species	Nitrobacter hamburgensis (strain X14 / DSM 10229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpD recombinant protein	MBS1360072 is a recombinant protein targeting atpD. Also known as Recombinant Nitrobacter hamburgensis ATP synthase subunit beta (atpD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpD 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 atpD. It may not necessarily be applicable to this product.

NCBI GI #	499828389
NCBI Accession #	WP_011509123.1
UniProt Primary Accession #	Q1QQS8
GenBank Nucleotide #	WP_011509123.1

NCBI Official Full Name	ATP synthase subunit beta
UniProt Protein Name	ATP synthase subunit beta
UniProt Synonym Protein Names	ATP synthase F1 sector subunit beta
Protein Family	ATP synthase
UniProt Gene Name	atpD
UniProt Comments for atpD	Produces ATP from ADP in the presence of a proton gradient across the membrane. The catalytic sites are hosted primarily by the beta subunits.
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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