



Recombinant ATP synthase subunit beta (atpD)

Product Code	CSB-EP733372SMZ-B
Abbreviation	atpD
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5XCY0
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	MSSGKIAQVV GPVVDVMFAS GDKLPEINNA LIVYKSDSKK QKIVLEVALE LGDGMVRTIA MESTDGLTRG LEVLDTGRAI SVPVGKETLG RVFNVLGETI DLEEPFAEDV DRQPIHKKAP SFDELSTSSE ILETGIKVID LLAPYLKGGK VGLFGGAGVG KTVLIQELIH NIAQEHGGIS VFTGVGERTR EGNDLYWEMK ESGVIEKTAM VFGQMNEPPG ARMRVALTGL TIAEYFRDVE GQDVLLFIDN IFRFTQAGSE VSALLGRMPS AVGYQPTLAT EMGQLQERIT STQKGSVTSI QAIYVPADDY TDPAPATAFA HLDSTTNLER KLTQMGIYPA VDPLASSSRA LSPEIVGEEH YAVATEVQRV LQRYRELQDI IAILGMDELS DEEKTIVGRA RRIQFFLSQN FNVAEQFTGL PGSYVPVAET VRGFKEILEG KYDHLPEDAF RSVGPIEDVI KKA EKMGF
Source	E.coli
Target Names	atpD
Protein Names	Recommended name: ATP synthase subunit beta EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit beta F-ATPase subunit beta
Expression Region	1-468
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.