



# Recombinant ATP synthase subunit beta (atpD)

<b>Product Code</b>	CSB-EP737632YAH
<b>Abbreviation</b>	atpD
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q663Q8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Yersinia pseudotuberculosis serotype I (strain IP32953)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MATGKIIQVI GAVVDVEFPQ DAVPKVYNAL EVEGTTEKLV LEVQQQLGGG VVRCIAMGSS DGLSRGLKVT NLEHPIEVPV GKATLGRIMN VLGEPIDMKG PIGEEERWAI HREAPSYEEL ASSQDLLETG IKVMDLICPF AKGGKVGFLG GAGVGKTVNM MELIRNIAIE HSGYSVFAGV GERTREGNDF YHEMTDSNVL DKVSLVYGQM NEPPGNRLRV ALTGLTMAEK FRDEGRDVLL FIDNIYRYTL AGTEVSALLG RMPSAVGYQP TLAEMGVLQ ERITSTKTGS ITSVQAVYVP ADDLTDPSPA TTF AHLDATV VLSRQIASLG IYPAVDPLDS TSRQLDPLVV GQEHYDVARG VQSILQRYQE LKDIIAILGM DELSEDDKLV VSRARKIQRF LSQPPFVAEV FTGSPGKFVS LKDTIRGFKG IMNGDYDHLP EQAFYMVGTI EEAVEKAKKL
<b>Source</b>	E.coli
<b>Target Names</b>	atpD
<b>Protein Names</b>	Recommended name: ATP synthase subunit beta EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit beta F-ATPase subunit beta
<b>Expression Region</b>	1-460
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.