



Recombinant Escherichia coli O17:K52:H18 ATP synthase subunit beta (atpD)

Product Code	CSB-EP002350EOG-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	B7NF48
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MATGKIVQVI GAVVDVEFPQ DAVPRVYDAL EVQNGNERLV LEVQQQLGGG IVRTIAMGSS DGLRRGLDVK DLEHPIEVPV GKATLGRIMN VLGEPVDMKG EIGEEERWAI HRAAPSYEEL SNSQELLETG IKVIDLMCPF AKGGKVGFLG GAGVGKTVNM MELIRNIAIE HSGYSVFAGV GERTREGNDF YHEMTDSNVI DKVSLVYGQM NEPPGNRLRV ALTGLTMAEK FRDEGRDVLL FVDNIYRYTL AGTEVSALLG RMPSAVGYQP TLAEEMGVLQ ERITSTKTGS ITSVQAVYVP ADDLTDPSA TTF AHLDATV VLSRQIASLG IYPAVDPLDS TSRQLDPLVV GQEHYDTARG VQSILQRYQE LKDIIAILGM DELSEEDKLV VARARKIQR LSQPFVVAEV FTGSPGKYVS LKDTIRGFKG IMEGEYDHLPEQAFYMVGSI EEAVEKAKKL
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	1-460
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.