



# Recombinant Escherichia coli O7:K1 ATP synthase subunit alpha (atpA)

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| <b>Product Code</b>      | CSB-BP002344EON  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | B7NR36   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O7:K1 (strain IAI39 / ExPEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MQLNSTEISE LIKQRIAQFN VVSEAHNEGT IVSVSDGVIR IHGLADCMQG<br>EMISLPGNRY AIALNLERDS VGAVVMGPYA DLAEGMKVKC TGRILEVPVG<br>RGLLGRVVNT LGAPIDGKGP LDHDGFSAVE AIAPGVIERQ SVDQPVQTGY<br>KAVDSMIPIG RGQRELIIGD RQTGKTALAI DAIINQRDSG IKCIYVAIGQ<br>KASTISNVVR KLEEHGALAN TIVVVATASE SAALQYLAPY AGCAMGEYFR<br>DRGEDALIIY DDLISKQAVAY RQISLLLRP PGREAFPGDV FYLHSRLLER<br>AARVNAEYVE AFTKGEVKGK TGSLTALPII ETQAGDVSAF VPTNVISITD<br>GQIFLETNLF NAGIRPAVNP GISVSRVGGGA AQT KIMK KLS GGIRTALAQY<br>RELAAFSQFA SDLDDATRQK LDHGQKVTEL LKQKQYAPMS VAQQSLVLF A<br>AERGYLADVE LSKIGSFEAA LLAYVDRDHA PLMQEINQTG GYNDEIEGKL<br>KGILDSFKAT QSW |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | atpA   |
| <b>Protein Names</b>     | Recommended name: ATP synthase subunit alpha EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit alpha F-ATPase subunit alpha   |
| <b>Expression Region</b> | 1-513  |
| <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.  |