



# Recombinant Escherichia coli O45:K1 ATP synthase subunit alpha (atpA)

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| <b>Product Code</b>      | CSB-BP002344EOK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot No.</b>       | B7MGF4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Escherichia coli O45:K1 (strain S88 / ExPEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | <p> MQLNSTEISE LIKQRIAQFN VVSEAHNEGTVSVSDGVIR IHGLADCMQG<br/> EMISLPGNRY AIALNLERDS VGAVVMGPYA DLAEGMKVKC TGRILEVPVG<br/> RGLLGRVVNT LGAPIDGKGP LDHDFGSAVE AIAPGVIERQ SVDQPVQGTG<br/> KAVDSMIPIG RGQRELIIGD RQTGKTALAI DAIINQRDSG IKCIYVAIGQ<br/> KASTISNVVR KLEEHGALAN TIVVATASE SAALQYLAPY AGCAMGEYFR<br/> DRGEDALIY DDLSKQAVAY RQISLLLRP PGREAFPGDV FYLHSRLLER<br/> AARVNAEYVE AFTKGEVKGK TGSLTALPII ETQAGDVSAF VPTNVISITD<br/> GQIFLETNLF NAGIRPAVNP GISVSRVGGA AQTAKIMKKLS GGIRTALAQY<br/> RELAAFSQFA SDLDDATRKQ LDHGQKVTEL LKQKQYAPMS VAQQSLVLFA<br/> AERGYLADVE LSKIGSFEEA LLAYVDRDHA PLMQEINQTG GYNDEIEGKL<br/> KGILDSFKAT QSW </p> |
| <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>        | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                               |