



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

Product Code	CSB-EP002344EOK-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	B7MGF4
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
Purity	≥85% (SDS-PAGE)
Sequence	MQLNSTEISE LIKQRIAQFN VVSEAHNEGTVSVSDGVIR IHGLADCMQG EMISLPGNRY AIALNLERDS VGAVVMGPYA DLAEGMKVKC TGRILEVPVG RGLLGRVVNT LGAPIDGKGP LDHGDGFSAVE AIAPGVIERQ SVDQPVQGTG KAVDSMIPIG RGQRELIIGD RQTGKTALAI DAIINQRDSG IKCIYVAIGQ KASTISNVVR KLEEHGALAN TIVVVATASE SAALQYLAPY AGCAMGEYFR DRGEDALIY DDLSKQAVAY RQISLLLRRP PGREAFPGDV FYLHSRLLER AARVNAEYVE AFTKGEVKGK TGSLTALPII ETQAGDVSAF VPTNVISITD GQIFLETNLF NAGIRPAVNP GISVSRVGGA AQT KIMKKLS GGIRTALAQY RELA AFSQFA SDLDDATRKQ LDHGQKVTEL LKQKQYAPMS VAQQSLVLFA AERGYLADVE LSKIGSFEEA LLAYVDRDHA PLMQEINQTG GYNDEIEGKL KGILDSFKAT QSW
Source	E.coli
Target Names	atpA
Protein Names	Recommended name: ATP synthase subunit alpha EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit alpha F-ATPase subunit alpha
Expression Region	1-513
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.