



# Recombinant Escherichia coli ATP synthase subunit alpha (atpA)

<b>Product Code</b>	CSB-EP630051EGW-B
<b>Abbreviation</b>	atpA
<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>	Q1R4K0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain UTI89 / UPEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MQLNSTEISE LIKQRIAQFN VVSEAHNEGT IVSVSDGVIR IHGLADCMQG EMISLPGNRY AIALNLERDS VGAVVMGPYA DLAEGMKVKC TGRILEVPVG RGLLGRVVNT LGAPIDGKGP LDHDFSAVE AIAPGVIERQ SVDQPVTGY KAVDSMIPIG RGQRELIIGD RQTGKTALAI DAIINQRDSG IKCIYVAIGQ KASTISNVVR KLEEHGALAN TIVVATASE SAALQYLAPY AGCAMGEYFR DRGEDALIY DDLKQAVAY RQISLLLRP PGREAFPGDV FYLHSRLLER AARVNAEYVE AFTKGEVKGK TGSLTALPII ETQAGDVSAF VPTNVISITD GQIFLETNLF NAGIRPAVNP GISVSRVGGGA AQTKIMKKLS GGIRTALAQY RELAAFSQFA SDLDDATRKQ LDHGQKVTEL LKQKQYAPMS VAQQSLVLFA AERGLADVE LSKIGSFEAA LLAYVDRDHA PLMQEINQTG GYNDEIEGKL KGILDSFKAT QSW
<b>Source</b>	E.coli
<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.



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