



# Recombinant Rickettsia typhi ATP synthase subunit beta (atpD)

<b>Product Code</b>	CSB-BP715052RNE
<b>Abbreviation</b>	atpD
<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>	Q68VU8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rickettsia typhi (strain ATCC VR-144 / Wilmington)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MTQNIGKITQ VISAVVDVKF TNNSKLPEIL NALECYNKQ RIVLEVAQHI GDDTVRCISM GSTEGLIRGL EVIDTGNPIH IPVGIATLGR IMNVVGEPID GKGEIKSSTI SSIYKPAPDF INQSTERDIL VTGIKVVDLL APYTKGGKIG LFGGAGVGKT VLIMELINNV AKAHGGYTVF AGVGERTREG NDLYHEMIAS GVINLEAPEK SKVALVYGQM NEPPGARARV ALSGLTIAES FRDMNAGQDV LFFVDNIFRF TQAGAEVSAL LGRIPSAVG Y QPTLATDMGE LQERITSTKH GSITSVQAIY VPADDLTDPA PSTSFAHLDA TTVLSRQIAE LGIYPAVDPL DSNSQVLDPM IVGEEHYSVA RQVQQVLQTY KSLQDIIAIL GMDELSEEDK LTVSRARKIQ RFLSQPFHVA EVFTGVEGKF VNLDDTIAGF KGLVEGKYDD LPEAAFYVMVG TIDEAVEKAK ILKI
<b>Source</b>	Baculovirus
<b>Target Names</b>	atpD
<b>Protein Names</b>	Recommended name: ATP synthase subunit beta EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit beta F-ATPase subunit beta
<b>Expression Region</b>	1-474
<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.