



Recombinant *Rhizobium loti* ATP synthase subunit beta (atpD)

Product Code	CSB-EP853796RCU-B
Abbreviation	atpD
Storage	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.
Uniprot No.	Q98EV8
Product Type	Recombinant Protein
Immunogen Species	<i>Rhizobium loti</i> (strain MAFF303099) (<i>Mesorhizobium loti</i>)
Purity	>85% (SDS-PAGE)
Sequence	MAAKATGVVG KVRQVIGAVV DVQFGDHLPA ILNALETTNV GNRLVLEVAQ HLGENTVRCI AMDSTEGLVV RQEVVDTGAP ITVPVGPGLM GRIINVIGEP VDEEGPVDAL EMRSIQPAP TYVEQSTEAQ ILITGIKVLV LLAPYAKGGK IGLFGGAGVG KTVLIQELIN NIAKAHGGYS VFAGVGERTR EGNLDYHEFI ESGVNKKGGG EGSKAALVYG QMNEPPGARA RVGLTGLTVA EYFRDQGQDV LFFVDNIFRF TQAGSEVSAL LGRIPSAVGY QPTLATDMGA LQERITTTTK GSITSVQAIY VPADDLTDPA PATSFAPHLDA TTTLNRAIAE KGIYPAVDPL DSTSRMLDPM VVGEHYAVA RQVQSILQRY KSLQDIIAIL GMDELSEEDK QTVARARKIE RFLSQPFVVA EVFTGAPGKL VDLADTIKGF KGLCNGDYDH LPEAAFYVMVG GIEEAVEKAQ RLAAEAA
Source	E.coli
Target Names	atpD
Protein Names	Recommended name: ATP synthase subunit beta EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit beta F-ATPase subunit beta
Expression Region	1-477
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.