



Recombinant Thiobacillus ferrooxidans ATP synthase subunit beta (atpD)

Product Code	CSB-EP002350TOA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P41168
Product Type	Recombinant Protein
Immunogen Species	Acidithiobacillus ferrooxidans (Thiobacillus ferrooxidans)
Purity	>85% (SDS-PAGE)
Sequence	MSERCKENAV GHIVQVIGPV IDVAFSRGQV PEIMEAIVVD ANNLTIEVQA QLGDGVARGI AMGPSEGLKR GLAVTRTGAP ISVPVGHATL GRIMNVLGEP VDGKGPVQTE DRQAIHRPAP AFDELAASTE VLETGIKVID LVCPFAKGGK VGLFGGAGVG KTVLMMELIR NIAIEHTGYS VFAGVGERTR EGNDFYHEMT DSGVLDKVAL VYQMNPPG NRLRAGLTGL TMAEHFRDEG RDILMFIDNI FRYPLAGTEV SALLGRMP SA VGYQPTLAE MGQLQERITS TKVGSITSVQ AVYVPADDLT DPSPATTF AH LDATVVLSRQ I AELGIYPAL DPLDSFSRQL DPQIVGQEHY DVARSCQKTL QRYKELQDII AILGMD ELSE DDKLLVSRAR KIQRYSQPF FVAEVFTGSP GTYVSLKETI RAFKAIVAGE YDHLPEQAFY MVG TIDEALA KAQKLQQG
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	1-468
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.