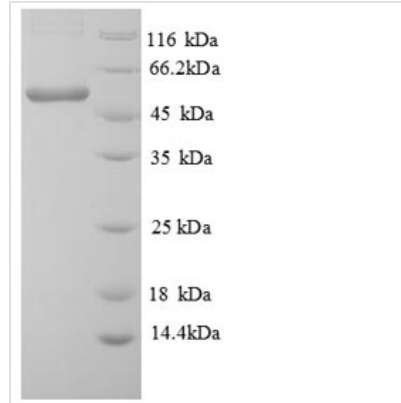




Recombinant Lemna minor ATP synthase subunit beta, chloroplastic (atpB)

Product Code	CSB-RP139994PI
Relevance	Produces ATP from ADP in the presence of a proton gradient across the mbrane. The catalytic sites are hosted primarily by the beta subunits.
Abbreviation	Recombinant Lemna minor atpB protein
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.	A9L9A3
Alias	ATP synthase F1 sector subunit beta
Product Type	Recombinant Protein
Immunogen Species	Lemna minor (Common duckweed)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	<pre>MQINPTTSGTAVSQLEEKNLGRVAQIIGPVLDVVFPPGKMPNIYNALVVKGQDA DGQEIKVTCEVQQLLGNRVRVAVAMSATDGLTRGMDVIDTGAPLSVPVGGAT LGRIFNVLGEPVDNLGPVDTRTTSPIHRSAPAFIQLDTKLAIFETGIKVVDLLAPY RRGGKIGLFGGAGVGKTVLIMELINNIKAHGGVSVFGGVGERTREGNDLYME MKESGVINEKNITESKVALVYGQMNEPPGARMRVGLTALTMAEYFRDVNEQD VLLFIDNIFRFVQAGSEVSALLGRMPSAVGYQPTLSTEMGSLQERITSTKEGSIT SIQAVYVPADDLTD PAPATTF AHLDATTVLSRGLAAKGIYPAVDPLDSTSTMLQ PGIVGEDHYETAQRVKETLQRYKELQDIIAILGLDELSEEDRLTVARARKIERFL SQPFFVAEVFTGSPGKYVGLEETIRGFKLILSGELDSLPEQAFYLVGNIDEATAK AINLEVESK LK</pre>
Research Area	Others
Source	E.coli
Target Names	atpB
Expression Region	1-497aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	57.5kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.