



Recombinant Common duckweed atpB Protein Product Manual

1. Product Basic Information

Product No.: REP06228

Protein Name: F0F1 Atp Synthase Subunit A (atpB)

Aliases: F0F1 ATP synthase subunit A

UniProt ID: A9L9A3

UniProt Link: <https://www.uniprot.org/uniprotkb/A9L9A3/entry>

Species Source: Lemna minor (Common duckweed)

Expression System: E.coli

Protein Length: Full Length (1-497aa)

Molecular Weight: 57.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-497aa)

MQINPTTSGTAVSQLEEKNLGRVAQIIGPVLDVVFPPGKMPNIYNALVVKGQDADG
QEIKVTCEVQQLLGNNRVRAVAMSATDGLTRGMDVIDTGAPLSVPVGGATLGRIFN
VLGEPVDNLGPVDTRTTSPIHRSAPAFIQLDTKLAIFETGIKVVDLLAPYRRGGKIGLF
GGAGVGKTVLIMELINNIKAHGGVSVFGGVGERTREGNDLYMEMKESGVINEKNIT
ESKVALVYGQMNEPPGARMRVGLTALTMAEYFRDVNEQDVLLFIDNIFRFVQAGSE
VSALLGRMPSAVGYQPTLSTEMGSLQERITSTKEGSITSIQAVYVPADDLTDPAPAT
TFAHLDATTVLSRGLAAKGIYPAVDPLDSTSTMLQPGIVGEDHYETAQRVKETLQRY
KELQDIIAILGLDELSEEDRLTVARARKIERFLSQPFFVAEVFTGSPGKYVGLEETIRG
FKLILSGELDSLPEQAFYLVGNIDEATAKAINLEVESKLK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Common duckweed atpB full length protein (1-497aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. atpB, also known as F0F1 ATP synthase subunit A, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.