

# Recombinant Lemna minor ATP synthase subunit beta, chloroplastic

Catalog No: #AP72230

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Package Size: #AP72230-1 20ug #AP72230-2 100ug #AP72230-3 1mg

## Description

Product Name	Recombinant Lemna minor ATP synthase subunit beta, chloroplastic
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-497aaSequence Info:Full Length
Other Names	ATP synthase F1 sector subunit beta
Accession No.	A9L9A3
Uniprot	A9L9A3
GeneID	5787615;
Calculated MW	57.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>MQINPTTSGTAVSQLEEKNLGRVAQIIIGPVLDDVFPFGKMPNIYNALVVKGQDADGQEIKVTCEVQQLLGNRR</p> <p>VRAVAMSATDGLTRGMDVIDTGAPLSVPVGGATLGRIFNVLGEPVDNLGPVDTRTTSPIHRSAFQIQLDTKLAI</p> <p>FETGIKVVDLLAPYRRGGKIGLFGGAGVGKTVLIMELINNIKAHGGVSVFGGVGERTREGNDLYMEMKESGVI</p> <p>NEKNITESKVALVYGMNEPPGARMRVGLTALTMAEYFRDVNEQDVLLFIDNIFRFVQAGSEVSALLGRMPSA</p> <p>VGYQPTLSTEMGSLQERITSTKEGSITSIQAVYVPADDLTDPAATTFAHLDATTVLSRGLAAKGIYPAVDPLDS</p> <p>TSTMLQPGIVGEDHYETAQRVKETLQRYKELQDIIAILGLDELSEEDRLTVARARKIERFLSQPFFVAEVFTGSP</p> <p>GKYVGLLEETIRGFKLILSGELDSLPEQAFYLVGNIDEATAKAINLEVESKLK</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

## Background

Produces ATP from ADP in the presence of a proton gradient across the mbrane. The catalytic sites are hosted primarily by the beta subunits.

## References

Complete sequence of the Duckweed (Lemna minor) chloroplast genome structural organization and phylogenetic relationships to other angiosperms.Mardanov A.V., Ravin N.V., Kuznetsov B.B., Samigullin T.H., Antonov A.S., Kolganova T.V., Skyabin K.G.J. Mol. Evol. 66:555-564(2008)Research Topic:Others

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Note: This product is for in vitro research use only