

Recombinant Lemna Minor ATPB Protein (1-497 aa), His-tagged

Cat. No. ATPB-1262L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Lemna Minor (Common duckweed) ATPB Protein (1-497 aa), full length, was expressed in E. coli with N-terminal his tag.
Species	Lemna Minor
Source	E.coli
ProteinLength	1-497 aa
Description	Produces ATP from ADP in the presence of a proton gradient across the mbrane. The catalytic sites are hosted primarily by the beta subunits.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	57.5 kDa
AA Sequence	MQINPTTSGTAVSQLEEKNLGRVAQIIGPVLDVVFPPGKMPNIYNALVVKGQDADGQ EIKVTCEVQQLLGNRRVRAVAMSATDGLTRGMDVIDTGAPLSVPVGGATLGRIFNVL GEPVDNLGPVDTRTTSPIHRSAPAFIQLDTKLAIFETGIKVVDLLAPYRRGGKIGLFGG AGVGKTVLIMELINNIKAHGGVSVFGGVGERTREGNDLYMEMKESGVINEKNITES KVALVYGQMNEPPGARMRVGLTALTMAEYFRDVNEQDVLLFIDNIFRFVQAGSEVS ALLGRMPSAVG YQPTLSTEMGSLQERITSTKEGSITSIQAVYVPADDLTD PAPATTFA HLDATTVLSRGLAAKGIYPAVDPLDSTSTMLQPGIVGEDHYETAQRVKETLQRYKEL QDIAILGLDELSEEDRLTVARARKIERFLSQPFFVAEVFTGSPGKYVGLEETIRGFKLI

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	LSGELDSLPEQAFYLVGNIDEATAKAINLEVESKLLK
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

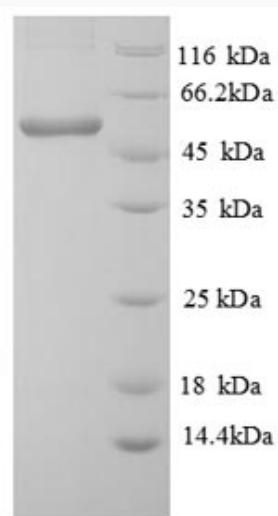
GENE INFORMATION

Gene Name	atpB ATP synthase CF1 beta subunit [Lemna minor]
Official Symbol	ATPB
Synonyms	atpB; ATP synthase F1 sector subunit beta;
Gene ID	5787615
Protein Refseq	YP_001595515
UniProt ID	A9L9A3

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

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