



Recombinant Mouse Atp5f1b Protein Product Manual

1. Product Basic Information

Product No.: REP06214

Protein Name: Atp Synthase F1 Subunit Beta (Atp5f1b)

Aliases: ATP5B; ATPMB; ATPSB; DYT38; HUMOP2; HEL-S-271; ATP synthase F1 subunit beta; epididymis secretory protein Li 271; mitochondrial ATP synthase beta subunit; ATP synthase subunit beta, mitochondrial; mit...

UniProt ID: P56480

UniProt Link: <https://www.uniprot.org/uniprotkb/P56480/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (230-529aa)

Molecular Weight: 52.8kDa

Protein Tag: N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (230-529aa)

YSVFAGVGERTREGNDLYHEMIESGVINLKDATSKVALVYGQMNEPPGARARVALT
GLTVAEYFRDQEGQDVLLFIDNIFRFTQAGSEVSALLGRIPSAVGYQPTLATDMGTM
QERITTTKKSITSVQAIYVPADDLTDPAPATTFAHLDATTVLSRAIAELGIYPAVDPL
DSTSRIMDPNIVGNEHYDVARGVQKILQDYKSLQDIILGMDELSEEDKLT VSRARKI
QRFLSQPFQVAEVFTGHMGKLVPLKETIKGFQQILAGEYDHLPEQAFYMGPIEEAV
AKADKLAEHGS

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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



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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 Mouse Atp5f1b partial protein (230-529aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. Atp5f1b, also known as ATP5B or ATPMB or ATPSB, 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.