

# Recombinant Full Length Methanocaldococcus Jannaschii V-Type Atp Synthase Subunit I(AtpI) Protein, His-Tagged

Cat. No. RFL20842MF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Methanocaldococcus jannaschii V-type ATP synthase subunit I(atpI) Protein (Q57675) (1-695aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Methanocaldococcus jannaschii

**Source** E.coli

**ProteinLength** Full Length (1-695)

**Form** Lyophilized powder

**AA Sequence**

```
MILVRPVRMKKLKA VILDEKIDNVVRS LHEEGIVELCDLSEKLEDLEWKTLLSPSSSAD
Y VRNVTSLMIKAGRILDMFSSVSQKETS IKDILNPKPVEKKKVSFN SYQEVIDYAEKV
LNE ISKEVDGPAERLSELDNKKSKLLQLKEQISY LKGLEFDLKYLGSGEYVFIGAGSV
PKEKL GELKAELDKVADGYIGIFSGSEFEKDKKIRVPIVFVTLKEKLE NVLSEIRKFEF
ERYDIS DVEGTPSEALSKIESELKAIESERN SLIEK LKALA QKWEKELLAVYELLSIEK
ARGDAYS QFGKTDRTYYIEAWVPARDAEKAKSLIENSADGFAFVEITEPDEPEEKIP
VLLDNP KVIK PFEMLTEM YALPKYNEVDPTLLL VPGFLLFYGIMLTD AVYGLLLTIIGLF
IWKKIGKVSE GANKLGYILTLAGISTVIMGIITGGYLGDFTYEFFGFDVTKTPLALVNPL
GESYYINNNN PLFTLGSISVTNGPMAILVFSIFVGLIHLLIGL FVGFKENVKRGNMGDA
FINQGVWILLI LSIFVGIGLMFAGANTMIAGGIIGIFVVLAILASMYKGYKSGGVMEAILG
AMDVTGFLGN VLSYARLLALCLATGGLAMAVNIMAKLVGESIPVIGIIVAIILLVGHTEF
```

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NFVMNGLGAF IHSLRLHYVEFFSQFYEGGGKKFSPFKANREYTTA

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**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.

## GENE INFORMATION

**Gene Name** atpl

**Synonyms** atpl; MJ0222; V-type ATP synthase subunit I; V-ATPase subunit I

**UniProt ID** [Q57675](https://www.uniprot.org/entry/Q57675)

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