

# Recombinant Full Length Photobacterium Profundum Atp-Dependent Zinc Metalloprotease Ftsh(Ftsh) Protein, His-Tagged

**Cat. No.** RFL31564PF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Photobacterium profundum ATP-dependent zinc metalloprotease FtsH(ftsH) Protein (Q6LUJ8) (1-696aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**      Photobacterium profundum

**Source**      E.coli

**ProteinLength**      Full Length (1-696)

**Form**      Lyophilized powder

**AA Sequence**

```
MWLQVTNCSTLHSSLSYCGANTLSDMAKNLILWLVIHAVLMSVFSFGPSDSAGRQ
VDYTTFVREIGQDQIREARFNEREITVFKRDNTRYVVTYLPVFNDQKLLDDLINANKV
LGTPEEPSLLASIFISWFPMLLLIGVWVFFMRQMGGGGGKGMAMSGKSKARMM
SEDQIKTTFADVAGCDEAKEDVKELVDYLRDPSRFQKLGKGIPTGILLVGPPGTGKT
LLAKAIAGEAKVPF FTISGSDFVEMFVGVGASRVRDMFEQAKKAAPCIIFIDEIDAVG
RQRGAGVGGGHDREQ TLNQMLVEMDGFEGNEGVIVIAATNRPDVLDPALLRPGR
FDRQVVVGLPDVRGREQILKV HMRKVPLEGDVEPSLIARGTPGFSGADLANLVNEA
ALFAARGNKRVSVMQEFELAKDKIM MGAERKSMVMSDQKESTAYHEAGHAIIGRL
VPDHPVYKVSIIIPRGRALGVTMYLPEKD RISHSREFLESMLSSLYGGRLAEELIYGV
DKVSTGASNDIERATDIARKMVTQWGFSEKM GPVLYADDEGEVFLGRSVTQTKHM
```

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SDDTARAIDMEIRALIDRNYERAREILAQNMDIMHA MKDALMKYETIDAAQIDDLMAR  
 KSEIRAPKGGWGD TDDVMKSSPTTSESAPSAPEAKTESAPEA KAEANVETEEKPVAADSE  
 ELKPKAEQAPKEDDKPQA

**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** ftsH

**Synonyms** ftsH; PBPRA0604; ATP-dependent zinc metalloprotease FtsH

**UniProt ID** [Q6LUJ8](#)

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