

# Recombinant Full Length Arabidopsis Thaliana Atp-Dependent Zinc Metalloprotease Ftsh 8, Chloroplastic(Ftsh8) Protein, His-Tagged

**Cat. No.** RFL27157AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana ATP-dependent zinc metalloprotease FTSH 8, chloroplastic(FTSH8) Protein (Q8W585) (74-685aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Arabidopsis thaliana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Full Length of Mature Protein (74-685)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | DEQGQGVSSSRMSYSRFLDYLDKGRVEKVDLYENGTIAIVEAVSPELGNRIQVRV<br>QLPG LSQELLQKLRAKNIDFAAHNAQEDQGSPILNLIGNLAFPVILIGGLFLLSRRSSG<br>GMGGP GPGFPLQIGQSKAKFQMEPNTGVTFDVAGVDEAKQDFMEVVEFLKKP<br>ERFTAVGARIP KGVLLVGPPGTGKTLAKAIAAGEAGVPFFSISGSEFVEMFVGVGAS<br>RVRDLFKKAKENAP CIVFVDEIDAVGRQRGTGIGGGNDEREQTLNQLLTEMDFEG<br>NTGVIVVAATNRADILDS ALLRPGRFDRQVSVDVPDVKGRTDILKVHSGNKKFESGV<br>SLEVIAMRTPGFSGADLANLL NEAAILAGRRGKTAISSKEIDDSIDRIVAGMEGTVM<br>DGKSKSLVAYHEVGHAICGTLP GHDAVQKVTLIPRGQARGLTWFIPTSDPTLISKQ<br>QLFARIVGGLGGRAAEEVIFGESEVT TGAVSDLQQITGLAKQMVTTFGMSEIGPWSL<br>MDSSEQSDVIMRMMARNMSSEKLANDIDT AVKTLSDKAYEIALSQIRNNREAMDKIV |

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EILLEKETMSGDEFRAILSEFTEIPPENRVAS STSTSTPTPASV

|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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

|                   |                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | FTSH8                                                                                                     |
| <b>Synonyms</b>   | FTSH8; At1g06430; F12K11.22; F12K11_24; ATP-dependent zinc metalloprotease FTSH 8, chloroplastic; AtFTSH8 |
| <b>UniProt ID</b> | <a href="#">Q8W585</a>                                                                                    |

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