

Recombinant Full Length Arabidopsis Thaliana Atp-Dependent Zinc Metalloprotease Ftsh 1, Chloroplastic(Ftsh1) Protein, His-Tagged

Cat. No. RFL36811AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana ATP-dependent zinc metalloprotease FTSH 1, chloroplastic(FTSH1) Protein (Q39102) (87-716aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length of Mature Protein (87-716)
Form	Lyophilized powder
AA Sequence	VVDEPASPSVVIESQAVKPSTPSPLFIQNEILKAPSPKSSDLPEGSQWRYSEFLNAVK KG KVERVRFSKDGSVVQLTAVDNRRASVIVPNDPDLIDILAMNGVDISVSEGESSGN DLFTV IGNLIFLLAFGGLFLLFRRAQGGPGGGPGGLGGPMDFGRSKSKFQVPET GVSFADVAG ADQAKLELQEVVDLKNPDKYTALGAKIPKGCLLVGPPGTGKTLLAR AVAGEAGVPFFSC AASEFVELFVGVGASRVRDLFEKAKSKAPCIVFIDEIDAVGRQR GAGMGGGNDEREQTIN QLLTEMDGFSGNSGVIVLAATNRPDVLDSALLRPGRFDR QVTVDRPDVAGRVKILQVHSR GKALGKDVDLFDKVARRTPGFTGADLQNLMEAAIL AARRELKEISKDEISDALERIIAGP EKKNVAVVSEEKKRLVAYHEAGHALVGALMPEYD PVAKISIIPRGQAGGLTFFAPSEERLE SGLYSRSYLENQMAVALGGRVAEEVIFGDE NVTTGASNDFMQVSRVARQMIERFGFSKKI GQVAVGGPGGNPFMGQQMSSQKDY

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	SMATADIVDAEVRELVEKAYKRATEIITTHIDILHK LAQLLIEKETVDGEEFMSLFIDGQ AELYIS
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	FTSH1
Synonyms	FTSH1; AAA; FTSH; At1g50250; F14I3.14; ATP-dependent zinc metalloprotease FTSH 1, chloroplastic; AtFTSH1
UniProt ID	Q39102

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