

Recombinant Full Length *Guillardia Theta* Atp-Dependent Zinc Metalloprotease Ftsh(Ftsh) Protein, His-Tagged

Cat. No. RFL36509GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Guillardia theta</i> ATP-dependent zinc metalloprotease Ftsh(Ftsh) Protein (O78516) (1-631aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Guillardia theta</i> (<i>Cryptomonas phi</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-631)
Form	Lyophilized powder
AA Sequence	MKISWKNILLTLIPLGLISFLVWQGFNNTTNPQFTKNIASSRMTYGRFLEYLDLGWVK KV DLYDEGHTAIVEAIGPELGNRIQRIRVELPATAPELITKLIRKANVDLDAHATNDSTP AWS LIGNLIFPILLIAGLAFLFRRSSNLPGGPGQAMNFGKSKARFQMEAKTGVTEND VAGVDE AKEEFEEVVSFLKKPERFTAVGAKIPKGVLLVGPPGTGKTLLAKAIAAGEAG VPFFSISGS EFVEMFVGVGASRVRDLFKKAKENSPCIVFIDEIDAVGRQRGTGIGGG NDEREQTLNQLL TEMDGFEGNTGIIIIAATNRVDVLDAALLRPGRFDRQVTVDPDV KGRLEILNVHARNKK LDLSISLELIAKRTPGFSGADLANLLNEAAILTARRRKKQITISE IDASIDRVIAGMEGK ALVDSKTKRLIAYHEVGHAIGTLLKHHPVQKVTLPVPRGQAK GLTWFTPSAQSLISRS QILARIMGALGGRAAEVVFGLPEVTTGAGNDLQQVTSM ARQMVTRFGMSNIGPLSLESQ NSDPFLGRTMGSSSQYSEDIASRIDMQVRAIIQHC HTETVQIIKDNRVVIDKLVDLLIEK ETIDGDEFQIVGDFTSLPEKIDYKSQLKST

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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; ycf25; ATP-dependent zinc metalloprotease FtsH
UniProt ID	O78516