

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

Cat. No. RFL8544BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Borrelia burgdorferi</i> ATP-dependent zinc metalloprotease Ftsh(ftsH) Protein (B7J0N5) (1-639aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Borrelia Burgdorferi</i>
Source	<i>E.coli</i>
ProteinLength	Full Length (1-639)
Form	Lyophilized powder
AA Sequence	<p>MNGNNNMNNGKSNNKKKNKNWILGLVVVFLISAIFMSYFIRGGESYKNVPYSTFQS YLD NGLVESVVIIDKNLIQFVVKGSNFAKSYFSTSIPYLDINLLSELKNKKVELSSGKS QASL IGVLLQTLPWILFFIFFFIFRQTQGGGGKVFTFGKSNAQKYEAGKNKITFKDV AGQEEV KQELREVVEFLKNPKKFEKIGAKIPKGVLLVGSPGTGKTLAKAVAGEAGV SFFHMSGSD FVEMFVGVGASRVRDLFDNARKNSPCIIFIDELDAVGRSRGAGLGGG HDEREQTLNQLLV EMDGFGTHTNVIVMAATNRPDVLDSALLRPGRFDRQVTVSLPD IKERAILNIHSLKTKL SKDINLQVIARATPGASGADLANLINEGALIAARNNQDEILMK DMEEARDKILMGVAKKS MTITDRQKLETAYHEAGHALLHYYLEHADPLHKVTIIPRG RALGVAFSLPREDRLSINKH QILDKIKICYGGYASEQINLGVTTAGVQNDLMQATSLA KKMVTEWGMGEEVGPFLVDDE APIFLPKFSKAKAYSSENTADKVDREVKRILEECL KEASDILLKHKDQLVKLAKELVLKE TLTDKEVRELLGFEANKDEYDLFSSDSTTKEVK</p>

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	GEDVKG
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; BbuZS7_0819; ATP-dependent zinc metalloprotease FtsH
UniProt ID	B7J0N5

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