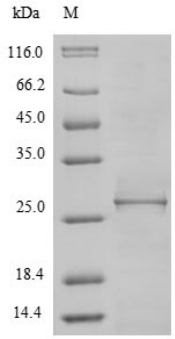
Recombinant Borrelia burgdorferi ATP-dependent Clp protease proteolytic subunit 2 (clpP2)

Product Code	CSB-EP528713BUD
Relevance	Cleaves peptides in various proteins in a process that requires ATP hydrolysis. Has a chymotrypsin-like activity. Plays a major role in the degradation of misfolded proteins.
Abbreviation	Recombinant Borrelia burgdorferi clpP2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O51698
Product Type	Recombinant Protein
Immunogen Species	Borrelia burgdorferi (strain ATCC 35210 / B31 / CIP 102532 / DSM 4680)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MTGKEDNDACVLHDKSLKLVLKSRSIVIAGEITKDVSRLFQEKILLLEALDFKKPI FVYIDSEGGDIDAGFAIFNMIRFVKPKVFTVGVGLVASAAALIFLAAKLENRFSLP FARYLLHQPLSGFKGVATDIEIYTNELNKVKKELNNIISKETGQKISKIEKDTDRD FWLDSSAAKKYGLVFEVVETKYQLEEFISA
Research Area	others
Source	E.coli
Target Names	clpP2
Protein Names	Endopeptidase Clp 2
Expression Region	1-198aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	27.2kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.

Shelf Life

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