

## Recombinant *Borrelia Burgdorferi* CLPP2 Protein (1-198 aa), His-SUMO-Myc-tagged

### SPECIFICATION

<b>Cat.No.</b>	CLPP2-2304B
<b>Species</b>	<i>Borrelia Burgdorferi</i>
<b>Product Name</b>	Recombinant <i>Borrelia Burgdorferi</i> CLPP2 Protein (1-198 aa), His-SUMO-Myc-tagged
<b>Product Overview</b>	Recombinant <i>Borrelia Burgdorferi</i> (strain ATCC 35210/B31/CIP 102532/DSM 4680) CLPP2 Protein (1-198 aa) is produced by <i>E. coli</i> expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.
<b>Description</b>	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.
<b>Source</b>	<i>E. coli</i>
<b>Tag</b>	His/SUMO/Myc
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	42.2 kDa
<b>Protein length</b>	1-198 aa
<b>AA Sequence</b>	MTGKEDNDACVLHDKSLKLVLKSR SIVIAGEITKDVSRLFQEKILLLEALDFKKPIFVYID SEGGDIDAGFAIFNMIRFVKPKVFTVGVGLVASAAALIFLAAKLENRFSLPFARYLLHQ PLSGFKGVATDIEIYTNELNKVKKELNNIISKETGQKISKIEKDTDRDFWLDSSAAKKYG LVFEVVETKYQLEEFISA
<b>Purity</b>	> 85% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

## Recombinant *Borrelia Burgdorferi* CLPP2 Protein (1-198 aa), His-SUMO-Myc-tagged

<b>Concentration</b>	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.
<b>Synonyms</b>	clpP2;
<b>UniProt ID</b>	<a href="#">O51698</a>
<b>Figure 1</b>	CLPP2-2304B, 1.jpg
<b>Figure Note 1</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.