Recombinant Escherichia coli (strain UTI89/UPEC) clpP protein (ATP-dependent Clp protease proteolytic subunit), His/Myc-tagged

Cat. No. CLPP-1032E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain UTI89/UPEC) clpP protein (ATP-dependent Clp protease proteolytic subunit, 15-207aa), fused to 10×His-tag at N-terminus and Myc-tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	E.coli
Source	E.coli
ProteinLength	193
Description	ClpP can simultaneously bind ClpX and ClpA to form a heteromeric complex. ClpP is a serine protease with a chymotrypsin-like activity that is a part of the ClpAP, ClpAPX and ClpXP protease complexes. Cleaves peptides in various proteins in a process that requires ATP hydrolysis. The protein has a chymotrypsin-like activity and plays a major role in the degradation of misfolded proteins.
Form	Tris-based buffer50% glycerol.
Molecular Mass	28.6 kDa
AA Sequence	ALVPMVIEQTSRGERSFDIYSRLLKERVIFLTGQVEDHMANLIVAQMLFLEAENPEKDI YLYINSPGGVITAGMSIYDTMQFIKPDVSTICMGQAASMGAFLLTAGAKGKRFCLPNS RVMIHQPLGGYQGQATDIEIHAREILKVKGRMNELMALHTGQSLEQIERDTERDRFL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

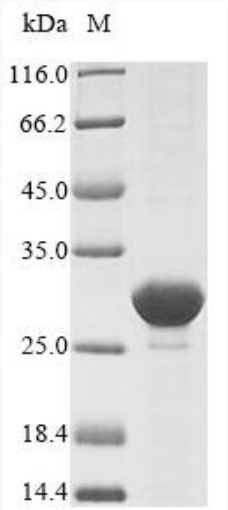
	SAPEAVEYGLVDSILTHRN
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20/-80 centigrade. The shelf life of lyophilized form is 12 months at -20/-80 centigrade. Store working aliquots at 4 centigrade for up to one week.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Warning	Repeated freezing and thawing is not recommended.

GENE INFORMATION

Synonyms	ECK0431; lopP
UniProt ID	Q1RF98

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE of CLPP-1032E



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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA