

**CLPP, 57-277aa, Human, E.coli**

**Cat.NO.: TP01649**

3th Edition

**Synonyms:** Putative ATP-dependent Clp protease proteolytic subunit, mitochondrial, Endopeptidase Clp

**Description:** CLPP (ATP-dependent Clp protease proteolytic subunit) belongs to the peptidase family S14. CLPP cleaves peptides in various proteins in a process that requires ATP hydrolysis. CLPP, the catalytic core of the Clp proteolytic complex, is widely involved in many cellular processes via the regulation of intracellular protein quality.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 20% glycerol, 100mM NaCl

**Molecular Weight:** 24.2kDa (222aa), confirmed by MALDI-TOF

**Sequences:**

MPLIPIVVEQTGRGERAYDIYSRLLRERIVCVMGPIDDSVASLVIAQLLFLQSESNKKPIHMYINSPGGVVTAGLAIYDT  
MQYILNPICTWCVGQAASMGSLLLAAGTPGMRHSLPNSRIMIHQPSGGARGQATDIAIQAEIIMKLKKQLYNIYAKH  
TKQSLQVIESAMERDRYMSPMEAQEFGILDKVLVHPPQDGEDEPTLVQKEPVEAAPAAEPVPAST

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.