

CLPP recombinant protein

CLPP, 57-277aa, Human, E Coli

CATALOG # AAA11805	HOST E Coli	APPLICATIONS SDS-Page
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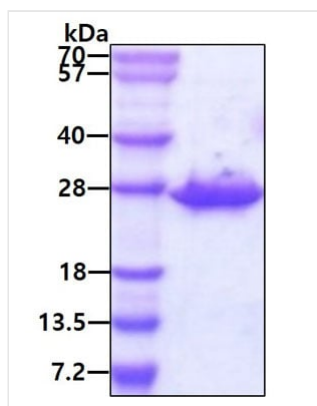
PRODUCT SYNONYMS

CLPP; 57-277aa; Human; E Coli; Putative ATP-dependent Clp protease proteolytic subunit mitochondrial; Endopeptidase Clp; CLPP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 2mM DTT, 20% glycerol, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	57-277aa
Sequence	MPLIPVVEQ TGRGERAYDI YSRLLRERIV CVMGPIDDSV ASLVIAQLLF LQSESNNKPI HMYINSPGGV VTAGLAYDTM QYILNPICTW CVGQAASMGs LLLAAGTPGM RHSLPNSRIM IHQPSGGARG QATDIAIQAE EIMKLKKQLY NIYAKHTKQS LQVIESAMER DRYMSPMEAQ EFGILDKVLV HPPQDGEDEP TLVQKEPVEA APPAAEPVPA ST
Applicable Applications for CLPP recombinant protein	SDS-PAGE
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for CLPP recombinant protein	Background/Introduction: 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. CLPP may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates. Recombinant human CLPP protein was expressed in E. coli and purified by using conventional chromatography techniques.
Product Categories/Family for CLPP recombinant protein	Metabolism
References	Li XH., et al (2010) BMC Microbiol. 19;10:54.; Kang, S.G., et al (2002) J. Biol. Chem. 277: 21095-21102.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174419
NCBI GeneID	8192
NCBI Accession #	NP_006003
NCBI GenBank Nucleotide #	NM_006012.2
UniProt Accession #	Q16740; B2R4W5
Molecular Weight	24.2kDa (222aa), confirmed by MALDI-TOF
NCBI Official Full Name	ATP-dependent Clp protease proteolytic subunit, mitochondrial
NCBI Official Synonym Full Names	caseinolytic mitochondrial matrix peptidase proteolytic subunit
NCBI Official Symbol	CLPP
NCBI Official Synonym Symbols	DFNB81; PRLTS3
NCBI Protein Information	ATP-dependent Clp protease proteolytic subunit, mitochondrial
UniProt Protein Name	ATP-dependent Clp protease proteolytic subunit, mitochondrial
UniProt Gene Name	CLPP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/clpp-recombinant-protein-e-coli-sds-page/11805>