

Recombinant Human CLPP 293 Cell Lysate

Cat. No. CLPP-7434HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (<i>E. coli</i>) (CLPP), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name CLPP ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli) [Homo sapiens]

Official Symbol CLPP

Synonyms

CLPP; ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli); ClpP (caseinolytic protease, ATP dependent, proteolytic subunit, E. coli) homolog , ClpP caseinolytic protease, ATP dependent, proteolytic subunit homolog (E. coli); putative ATP-dependent Clp protease proteolytic subunit, mitochondrial; ATP dependent protease ClpAP (E. coli); proteolytic subunit; human; endopeptidase Clp; ATP-dependent protease ClpAP, proteolytic subunit, human; ClpP caseinolytic peptidase ATP-dependent, proteolytic subunit; ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog;

Gene ID 8192

mRNA Refseq NM_006012

Protein Refseq NP_006003

MIM 601119

UniProt ID Q16740

Chromosome Location 19

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Function

ATP binding; nucleotide binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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