

Bovine Putative ATP-Dependent Clp Protease Proteolytic Subunit, Mitochondrial (CLPP) ELISA Kit-Sandwich

Cat. No.: EK11F705

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Putative Atp-Dependent Clp Protease Proteolytic Subunit, Mitochondrial (CLPP) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Putative Atp-Dependent Clp Protease Proteolytic Subunit, Mitochondrial (CLPP) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine CLPP.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Putative ATP-Dependent Clp Protease Proteolytic Subunit, Mitochondrial, also known as Endopeptidase Clp, is encoded by the *CLPP* gene in cattle. This protein is an essential component of the Clp protease complex. The ClpP monomer consists of three subdomains: the "handle," the globular "head," and the N-terminal region. ClpP can assemble into a tetradecamer complex (14-membered) and form a closed proteolytic chamber.

Target/Biomarker	Bovine CLPP
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Target Synonym caseinolytic mitochondrial matrix peptidase proteolytic subunit; ATP-dependent Clp protease proteolytic subunit, mitochondrial; ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog; caseinolytic peptidase, ATP-dependent, proteolytic subunit; endopeptidase Clp; putative ATP-dependent Clp protease proteolytic subunit, mitochondrial

Gene ID [535981](#)

UniProt ID [Q2KHU4](#)

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.