

Human LONP1 (Lon protease homolog, mitochondrial) ELISA Kit | LONP1 elisa kit

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CATALOG #
AAA250032

REACTIVITY
Human

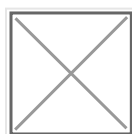
PRODUCT SYNONYMS

LONP1 (Lon protease homolog; mitochondrial); Human LONP1 (Lon protease homolog; mitochondrial) ELISA Kit; Lon protease homolog; mitochondrial; LONHs; Lon protease-like protein; LONP; Mitochondrial ATP-dependent protease Lon; Serine protease 15; PRSS15; LONP1; LONP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LONP1. No significant cross-reactivity or interference between LONP1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LONP1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12644239
NCBI GeneID	9361

UniProt Accession #	P36776; P36777; Q8N8K8; Q9UQ95; B3KPH8; D6W635; E5KMH8; F5GZ27
Molecular Weight	959
NCBI Official Full Name	Lon protease homolog, mitochondrial
NCBI Official Synonym Full Names	lon peptidase 1, mitochondrial
NCBI Official Symbol	LONP1
NCBI Official Synonym Symbols	LON; LONP; PIM1; hLON; LonHS; PRSS15
NCBI Protein Information	lon protease homolog, mitochondrial; LONP; LONP1; serine protease 15; lon protease-like protein; hLON ATP-dependent protease; mitochondrial lon protease-like protein; mitochondrial ATP-dependent protease Lon
UniProt Protein Name	Lon protease homolog, mitochondrial
UniProt Gene Name	LONP1
UniProt Entry Name	LONM_HUMAN

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/human-elisa-kits/lonp1-lon-protease-homolog-mitochondrial/250032>