

Human TPP1 ELISA Kit | TPP1 elisa kit

Human TPP1 PicoKine ELISA Kit

CATALOG #
AAA125249

REACTIVITY
Human

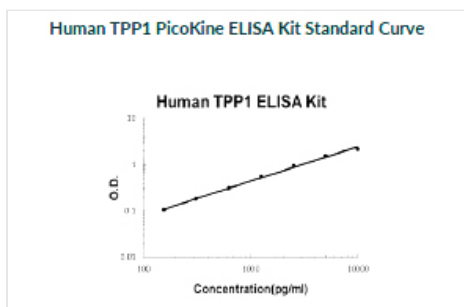
PRODUCT SYNONYMS

TPP1; Human TPP1 PicoKine ELISA Kit; Human TPP1; tripeptidyl peptidase 1; Tripeptidyl-peptidase 1; TPP-1; Cell growth-inhibiting gene 1 protein; Lysosomal pepstatin-insensitive protease; LPIC; Tripeptidyl aminopeptidase; Tripeptidyl-peptidase I; TPP-I; CLN2; GIG1; UNQ267; PRO304; TPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TPP1
Sequence Length	563
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPP1 elisa kit	Principle of the Assay: The Picokine™ Human TPP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TPP1 with a 96-well strip plate that is pre-coated with antibody specific for TPP1. The detection antibody is a biotinylated antibody specific for TPP1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human TPP1 with immunogen: Expression system for standard: NSO, Immunogen sequence: L196-P563. The kit is analytically validated with ready to use reagents. To measure Human TPP1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human TPP1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TPP1 in the sample.!!Background/Introduction: Tripeptidyl-peptidase 1, also known as Lysosomal pepstatin-insensitive protease, is an enzyme that in humans is encoded by the TPP1 gene. The human gene TPP1 encodes a member of the sedolisin family of serine proteases. The human gene has 13 exons and locates at the chromosome band 11p15. This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and autoproteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15928808
NCBI GeneID	1200
UniProt Accession #	O14773
NCBI Official Full Name	Tripeptidyl peptidase I
NCBI Official Synonym Full Names	tripeptidyl peptidase 1
NCBI Official Symbol	TPP1
NCBI Official Synonym Symbols	CLN2; GIG1; LPIC; SCAR7; TPP-1
NCBI Protein Information	tripeptidyl-peptidase 1
UniProt Protein Name	Tripeptidyl-peptidase 1
UniProt Gene Name	TPP1
UniProt Synonym Gene Names	CLN2; TPP-1; LPIC; TPP-I

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.