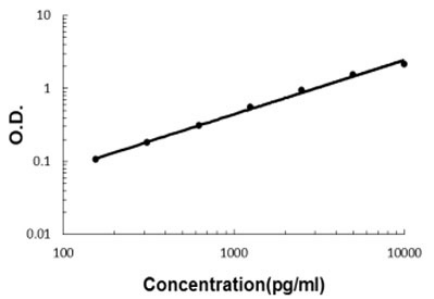
# TPP1 (Human) ELISA Kit

Catalog # KA5897 Size 1 Kit

## Applications




The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | TPP1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detecti on of human TPP1 in cell culture supernates, serum and plasma (heparin, EDTA). |
| **Suitable Sample** | Cell culture supernates, serum and plasma (heparin, EDTA) |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 156 to 10000 pg/mL |
| **Reactivity** | Human |
| **Regulatory Status** | For research use only (RUO) |
| **Quality Control Testing** | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed. |
| **Storage Instruction** | Store at 4°C for six months. For long term storage store at -20°C.<br>Avoid repeated freezing and thawing. |

## Applications

- Quantification

## Gene Info — TPP1

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|---|---|
| **Entrez GeneID** | 1200 |
| **Protein Accession#** | O14773 |
| **Gene Name** | TPP1 |
| **Gene Alias** | CLN2, GIG1, LPIC, MGC21297 |
| **Gene Description** | tripeptidyl peptidase I |
| **Omim ID** | 204500 607998 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a member of the sedolisin family of serine proteases. The protease functions i n 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 auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, whi ch is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome. [provided by RefSeq |
| **Other Designations** | ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)\|growth-inhibiting pr otein 1\|lysosomal pepstatin insensitive protease\|tripeptidyl aminopeptidase\|tripeptidyl-peptidase I |

## Pathway

- Lysosome

## Disease

- Kidney Failure
- Neuronal Ceroid-Lipofuscinoses