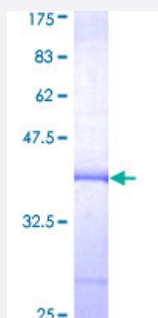


# TPP1 (Human) Recombinant Protein (Q01)

Catalog # H00001200-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human TPP1 partial ORF ( AAH14863, 195 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	GLHLGVTPSVIRKRYNLTSQDVGSGTSNNSQACAQFLEQYFHSDLAQFMRLFGGNFAHQASVARVVGQQGRGRAGIEASLDVQYLSAGANISTWVYSSPGRHEGQEPF
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.84
<b>Interspecies Antigen Sequence</b>	Mouse (87)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — TPP1

Entrez GeneID [1200](#)

GeneBank Accession# [BC014863](#)

Protein Accession# [AAH14863](#)

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 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 auto-proteolyzed 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. [provided by RefSeq]

**Other Designations** ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)|growth-inhibiting protein 1|lysosomal pepstatin insensitive protease|tripeptidyl aminopeptidase|tripeptidyl-peptidase I

## Pathway

- [Lysosome](#)

## Disease

- [Kidney Failure](#)
- [Neuronal Ceroid-Lipofuscinoses](#)