



# Recombinant Human Tripeptidyl-peptidase 1 (TPP1)

<b>Product Code</b>	CSB-EP024113HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14773
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LHLGV TPSVIRKRYN LTSQDVGSGT SNNSQACAQF LEQYFHDSDL AQFMRLFQGN FAHQASVARV VGQQGRGRAG IEASLDVQYL MSAGANISTW VYSSPGRHEG QEPFLQWLML LSNESALPHV HTVSYGDDDED SLSSAYIQRV NTELMKAAAR GLTLLFASGD SGAGCWSVSG RHQFRPTFPA SSPYVTTVGG TSFQEPFLIT NEIVDYISGG GFSNVFPRPS YQEEAVTKFL SSSPHLPPSS YFNASGRAYP DVAALSDGYW VVSNRVPIPW VSGTSASTPV FGGILSLINE HRILSGRPPL GFLNPRLYQQ HGAGLFDVTR GCHESCLDEE VEGQGFCSGP GWDPVTGWGT PNFPALLKTL LNP
<b>Source</b>	E.coli
<b>Target Names</b>	TPP1
<b>Protein Names</b>	Recommended name: Tripeptidyl-peptidase 1 Short name= TPP-1 EC= 3.4.14.9 Alternative name(s): Cell growth-inhibiting gene 1 protein Lysosomal pepstatin-insensitive protease Short name= LPIC Tripeptidyl aminopeptidase
<b>Expression Region</b>	196-563
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.