

Product Data:

Product SKU: RPES4193

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O14773

Protein Information:

Molecular Mass: 60.35 kDa

AP Molecular Mass: 74 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM GaCl₂, 10% Glycerol, pH7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tripeptidyl-Peptidase 1; TPP; Cell Growth-Inhibiting Gene 1 Protein; Lysosomal Pepstatin-Insensitive Protease; LPIC; Tripeptidyl Aminopeptidase; TPP1; CLN2; GIG1; LPIC; SCAR7; TPP

Immunogen Information:

Sequence: Ser20-Pro563

Background:

Tripeptidyl-Peptidase 1 (TPP1) belongs to the peptidase S53 family. TPP1 is detected in all tissues examined with highest levels in heart and placenta and relatively similar levels in other tissues. TPP1 is lysosomal serine protease with tripeptidyl-peptidase I activity. TPP1 may act as a non-specific lysosomal peptidase which generates tripeptides from the breakdown products produced by lysosomal proteinases. TPP1 requires substrates with an unsubstituted N-terminus. TPP1 mutations have also been shown to cause neuronal ceroid lipofuscinosis type 2 (CLN2).