

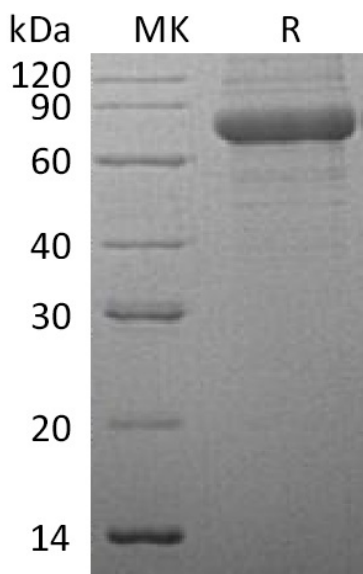
**Product Name: Recombinant Human TPP1 (C-6His)**  
**Catalog #: PHH1727**



## Summary

|                                 |                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                     | Tripeptidyl-Peptidase I/TPP1                                                                                                                                                       |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                                |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.                                                                                                                                                |
| <b>Construction</b>             | Recombinant Human Tripeptidyl-Peptidase I is produced by our Mammalian expression system and the target gene encoding Ser20-Pro563 is expressed with a 6His tag at the C-terminus. |
| <b>Accession #</b>              | AAH14863.1                                                                                                                                                                         |
| <b>Host</b>                     | Human Cells                                                                                                                                                                        |
| <b>Species</b>                  | Human                                                                                                                                                                              |
| <b>Predicted Molecular Mass</b> | 60.35 KDa                                                                                                                                                                          |
| <b>Formulation</b>              | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM CaCl <sub>2</sub> , 10% Glycerol, pH 7.5.                                                                 |
| <b>Shipping</b>                 | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.                                                                 |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.               |
| <b>Reconstitution</b>           |                                                                                                                                                                                    |

## SDS-PAGE image



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### **Alternative Names**

Tripeptidyl-Peptidase 1; TPP-1; Cell Growth-Inhibiting Gene 1 Protein; Lysosomal Pepstatin-Insensitive Protease; LPIC; Tripeptidyl Aminopeptidase; Tripeptidyl-Peptidase I; TPP-I; TPP1; CLN2

### **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).

### **Note**

For Research Use Only , Not for Diagnostic Use.