

## Recombinant Human THOP1 Protein, MYC/DDK-tagged

Cat. No. THOP1-888H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human THOP1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | The protein encoded by this gene is a kinase that uses zinc as a cofactor. The encoded oligopeptidase cleaves cytosolic peptides, making them unavailable for display on antigen-presenting cells. This protein also cleaves neuropeptides under 20 aa in length and can degrade beta-amyloid precursor protein to amyloidogenic peptides. [provided by RefSeq, Nov 2015]. |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 78.7 kDa                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                           |

### GENE INFORMATION

|                  |                                         |
|------------------|-----------------------------------------|
| <b>Gene Name</b> | thimet oligopeptidase 1[ Homo sapiens ] |
|------------------|-----------------------------------------|

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|                 |                                |
|-----------------|--------------------------------|
| Official Symbol | THOP1                          |
| Synonyms        | EP24.15; MEPD_HUMAN; MP78; TOP |
| Gene ID         | 7064                           |
| mRNA Refseq     | NM_003249.3                    |
| Protein Refseq  | NP_003240                      |
| MIM             | 601117                         |
| UniProt ID      | P52888                         |

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