

Active Recombinant Human THOP1 Protein, His-tagged

Cat. No. THOP1-528H Lot. No. (See product label)

SPECIFICATION

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|-----------------------------|---|
| Product Overview | Recombinant Human THOP1 (Accession # NP_003240) Lys2-Cys689, fused with an N-terminal Met and 6-His tag, was produced in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Lys2-Cys689 |
| Predicted N Terminal | Met |
| Form | Supplied as a 0.2 µ filtered solution in MES, NaCl and Glycerol. |
| Bio-activity | Measured by its ability to cleave a fluorogenic peptide substrate, (7-methoxycoumarin-4-yl)acetyl-Pro-Leu-Gly-Pro-D-Lys(2,4-dinitrophenyl)-OH or Mca-PLGPK(Dnp)-OH. The specific activity is >250 pmol/min/g, as measured under the described conditions. |
| Molecular Mass | Recombinant Human THOP1, His-tagged has a calculated MW of 80 kDa. In SDS-PAGE migrates as 80 kDa, reducing conditions. |
| Purity | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain. |
| Storage | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

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|----------------------------|---|
| Gene Name | THOP1 thimet oligopeptidase 1 [Homo sapiens] |
| Official Symbol | THOP1 |
| Synonyms | THOP1; thimet oligopeptidase 1; thimet oligopeptidase; endopeptidase 24.15; TOP; MP78; EP24.15; MEPD_HUMAN; |
| Gene ID | 7064 |
| mRNA Refseq | NM_003249 |
| Protein Refseq | NP_003240 |
| MIM | 601117 |
| UniProt ID | P52888 |
| Chromosome Location | 19p13.3 |

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