

Active Recombinant Human THOP1 Protein, His-tagged

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

SPECIFICATION

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 µm 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/µg, 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

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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