

Active Recombinant Mouse Thop1 protein, His-tagged

Cat. No. Thop1-2555M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Thop1 protein(NP_073144.3)(Lys2-Cys687), fused with His tag, was expressed in Insect Cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Lys2-Cys687
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glyPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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 > 100 pmoles/min/μg.
Molecular Mass	The recombinant mouse THOP1 consists of 705 amino acids and has a calculated molecular mass of 80.1 kDa. It migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Thop1 thimet oligopeptidase 1 \[Mus musculus \]](#)

Official Symbol [Thop1](#)

Synonyms THOP1; thimet oligopeptidase 1; thimet oligopeptidase; endopeptidase 24.15; EP24.15; AI131655; AI327041;

Gene ID [50492](#)

mRNA Refseq [NM_022653](#)

Protein Refseq [NP_073144](#)

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