Product Name: Recombinant Human THOP1 (C-6His)
Catalog #: PEH1629

Summary

Name	Thimet Oligopeptidase/THOP1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Thimet Oligopeptidase is produced by our E.coli expression system and the target gene encoding Lys2-Cys689 is expressed with a 6His tag at the C-terminus.
Accession #	P52888
Host	E.coli
Species	Human
Predicted Molecular Mass	80 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 50% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	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.
Reconstitution	

SDS-PAGE image

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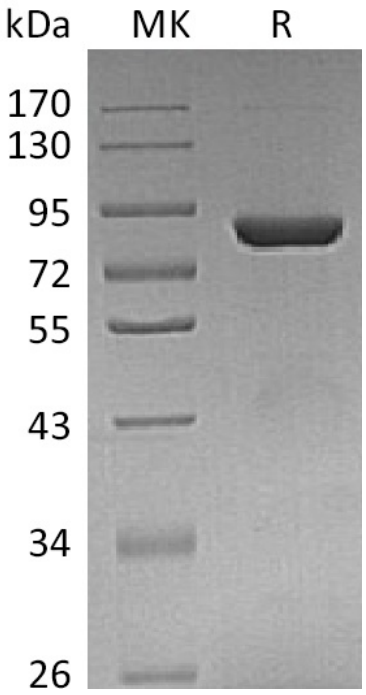

Alternative Names

Thimet Oligopeptidase; Endopeptidase 24.15; MP78; THOP1

Background

Thimet Oligopeptidase (THOP1) belongs to the peptidase M3 family which includes neurolysin and mitochondrial intermediate peptidase. THOP1 is located in Cytoplasm. THOP1 is widely expressed in human tissues and can detected in different subcellular locations. THOP1 is preferential cleavage for bonds with hydrophobic residues at P1, P2 and P3 and a small residue at P1 in substrates of 5 to 15 residues. THOP1 is involved in the metabolism of neuropeptides under 20 amino acid residues and degradation of cytoplasmic peptide. In addition, THOP1 also can degrade the beta-amyloid precursor protein and generate amyloidogenic fragments.

Note

For Research Use Only , Not for Diagnostic Use.