

[Go to Product page](#)

Datasheet for ABIN7319076

Thimet Oligopeptidase 1 Protein (THOP1) (His tag)

Overview

Quantity:	50 µg
Target:	Thimet Oligopeptidase 1 (THOP1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thimet Oligopeptidase 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human THOP1 Protein (His Tag)
Sequence:	Lys2-Cys689
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Thimet Oligopeptidase 1 (THOP1)
Alternative Name:	THOP1 (THOP1 Products)
Background:	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

Target Details

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.

Synonym: Thimet Oligopeptidase, Endopeptidase 24.15, MP78, THOP1

Molecular Weight:	80.0 kDa
-------------------	----------

UniProt:	P52888
----------	------------------------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Frozen, Liquid
---------	----------------

Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 100 mM NaCl, 10 % Glycerol, pH 7.0.
---------	---

Storage:	-20 °C
----------	--------

Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
------------------	--