

Product datasheet for RC201738L3

OriGene Technologies, Inc.

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Thimet Oligopeptidase (THOP1) (NM_003249) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Thimet Oligopeptidase (THOP1) (NM_003249) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Thimet Oligopeptidase

Synonyms: EP24.15; MEPD_HUMAN; MP78; TOP

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

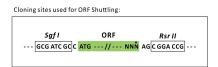
ORF Nucleotide

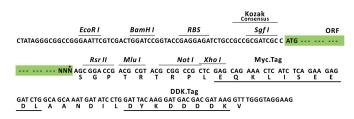
The ORF insert of this clone is exactly the same as(RC201738).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_003249

ORF Size: 2067 bp





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OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 003249.3</u>

RefSeq Size:2568 bpRefSeq ORF:2070 bpLocus ID:7064

UniProt ID: P52888
Cytogenetics: 19p13.3

Domains: Peptidase M3

Protein Families: Druggable Genome, Protease

Protein Pathways: Renin-angiotensin system

MW: 78.8 kDa

Gene Summary: The protein encoded by this gene is a kininase that uses zinc as a cofactor. The encoded

oligopeptidase cleaves cytosolic peptides, making them unavailable for display on antigenpresenting cells. This protein also cleaves neuropeptides under 20 aa in length and can

degrade beta-amyloid precursor protein to amyloidogenic peptides. [provided by RefSeq, Nov

2015]