Product datasheet for RC201738L4V

Thimet Oligopeptidase (THOP1) (NM_003249) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Thimet Oligopeptidase (THOP1) (NM_003249) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Thimet Oligopeptidase
Synonyms:	EP24.15; MEPD_HUMAN; MP78; TOP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003249
ORF Size:	2067 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201738).
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.
RefSeq:	NM_003249.3
RefSeq Size:	2568 bp
RefSeq ORF:	2070 bp
Locus ID:	7064
UniProt ID:	P52888
Cytogenetics:	19p13.3
Domains:	Peptidase_M3
Protein Families:	Druggable Genome, Protease

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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 antigen-presenting 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]