

Product datasheet for **RC201738A1V**

Human Thimet Oligopeptidase (THOP1) (NM_003249) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Thimet Oligopeptidase (THOP1) (NM_003249) AAV Particle
Tag:	Myc-DDK
Symbol:	THOP1
Synonyms:	EP24.15; MEPD_HUMAN; MP78; TOP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201738 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCCCCGCAGCCTGTGCAGGAGACATGGCGGACGCAGCATCTCCGTGCTCTGTGGTAAACGACC
TGCGGTGGGACCTGAGTGCCCGAGCAGATAGAGGAGCGCACCGAGGAGCTCATCGAGCAGACCAAGCGCGT
GTATGACCAGGTTGGCACCCAGGAGTTTGAGGACGTGTCTACGAGAGCACGCTCAAGGCGCTGGCCGAT
GTGGAGGTACCTACACAGTTACAGGAATATCCTTGACTTCCCCCAGCATGTTTCCCCCTCCAAGGACA
TCCGGACAGCCAGCACAGAGGCCGACAAGAAGCTCTCTGAGTTCGACGTGGAGATGAGCATGAGGGAGGA
CGTGTACCAGAGGATCGTGTGGCTCCAGGAGAAAGTTCAGAAGGACTCACTGAGGCCCGAGGCTGCGCGG
TACCTGGAGCGGCTAATCAAGCTGGGCCGAGAAATGGCTTCACCTCCCAGAGAGACTCAGGAAAACA
TCAAACGCATCAAGAAGAAGCTGAGCCTTCTGTGCATCGACTTCAACAAGAACCTGAACGAGGACACGAC
CTTCTGCCCTTACGCTCCAGGAGCTAGGAGGGCTCCCGAGGACTTTCTGAACTCCCTGGAGAAGATG
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CTGAGACCAGGAGGAAAGTGGAGGAGGCCTTCAACTGCCGGTGAAGGAGGAGAACTGCGCTATCCTCAA
GGAGCTGGTGACGCTGCGGGCCAGAACTCCCGCTGCTGGGGTTCCACACGCACGCCGACTATGTCCTG
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CTTCGACGGCCGATCCGTGCTGGGACATGCGCTACTACATGAACAGGTGGAGGAGACGCGCTACTGC
GTGGACCAGAACCTGCTCAAGGAGTACTTCCCCGTGCAGGTGGTCACGCACGGGCTGCTGGCATCTACC
AGGAGTCTTGGGGCTGGCCTTCCACCAGGAGGAGGCCAGTGCCCTGGCATGAGGACGTGCGGCTCTA
CACCGCAGGGAGCGCGGCTCGGGGGAGGTGGTCGGCAAGTTCTACCTGGACCTGTACCCGCGGGAAGGA
AAGTACGGGCACGCGGCTGCTTTGGCCTGCAGCCGGCTGCTGCGGCAGGATGGGAGCCGCCAGATCG
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GGTGGAGACCTACTTCCATGAGTTTGGCCACGTGATGCACCAGCTCTGCTCCCAGGCGGAGTTCCGCATG
TTCAGCGGGACCCACGTGGAGCGGGACTTTGTGGAGGCGCCGTCGAGATGCTGGAGAACTGGGTGTGGG
AGCAGGAGCCGCTGCTGCGGATGTCGCGGCACTACCGCACAGGACGCGCCGTGCCCGGGAGCTCCTGGA
GAAGCTCATTGAGTCCCGGCAGGCCAACACAGGCCTTCAACCTGCGCCAGATCGTCTCGCCAAGGTG
GACCAGGCCCTGCACACGCAGACGGACGCAGACCCCGCAGGAGTATGCGCGGCTCTGCCAGGAGATCC
TCGGGGTCCCGGCCACGCCAGGAACCAACATGCCTGCAACCTTCGGCCATCTGGCAGGTGGCTACGACGC
CCAGTACTACGGGTACCTGTGGAGCGAGGTGTATTCCATGGACATGTTCCACACGCGCTTCAAGCAGGAG
GGTGTCTGAACAGCAAGGTTGGCATGGATTACAGAAGCTGCATCCTGAGACCCGGCGGTTCCGAGGATG
CCAGCGCCATGCTGAGGCGCTTCTGGGCCGTGACCCCAAGCAGGACGCTTCTCTGAGCAAGGGGCT
GCAGGTGCGGGGCTGCGAGCCCGAGCCGAGGTCTGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201738 protein sequence Red=Cloning site Green=Tags(s) MKPPAACAGDMADAASPCSVVNDLRWDLAQQIEERTRELIEQTKRVYDQVGTQEFEDVSYESTLKALAD VEVTTYTVQRNILDFFQHVSPSKDIRTASTEADKKLSEFDVEMSMREDVYQRIVWLQEKVQKDSLRPEAAR YLERLIKLGRRNGLHLPRETQENIKRIKKKLSLLCIDFNKNLNEDTTFLPFTLQELGGLPEDFLNSLEKM EDGKLKVTLYPHYFPLKKCHVPETRRKVEEAFNCRCKEENCAILKELVTLRAQKSRLGFGHTADYVL EMNMAKTSQTVATFLDELAQKLKPLGEQERAVILELKRAECERRGLPFDGRIRAWDMRYYMNQVEETRYC VDQNLKEYFPVQVVTGGLGIYQELLGLAFHHEEGASAWHEDVRLYTARDAASGEVVGKFYLDLYPREG KYGHAACFGLQPGCLRQDGSRQIAIAAMVANFTKPTADAPSLQHQDEVETVFHEFGHVMHQLCSQAEFAM FSGTHVERDFEAPSQMLENWWWEQEPLLMSRHYRTGSAVPRELLEKLIESRQANTGLFNLRQIVLAKV DQALHTQTDADPAEEYARLCQEILGVPATPGTNMPATFGHLAGGYDAQYYGYLWSEVYSMDMFHTRFKQE GVLNSKVGMDYRSCILRPGGSEDASAMLRRLGRDPKQDAFLLSKGLQVGGCEPEPQVC SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_003249
ORF Size:	2067 bp
Buffer:	PBS with 0.001% Pluronic F5224
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	NM_003249.3
RefSeq Size:	2568 bp
RefSeq ORF:	2070 bp
Locus ID:	7064
UniProt ID:	P52888
Cytogenetics:	19p13.3
MW:	78.8 kDa