

Product datasheet for **MC210407**

Thg1l (NM_001080969) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thg1l (NM_001080969) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thg1l
Synonyms:	1700121M19Rik; 5730409G07Rik; AA387658; RP23-298M7.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210407 representing NM_001080969 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTGGGCTTCCGCACAGCGAGGATCGGCAGTCTTTGGCTGCTACTTCGGTTATTTAAGACGGTGCC
TGAGATTGGGGGTGGCCATGGCCAAGAGCAAGTTTGAGTACGTGCGGAATTTGAGGTTTCAGGACACATG
CCTGCCGCACTGCTGGGTGGTGGTGGCTGGACGGCCGAATTTCCACCGGTTTGCTGAGGAGCACAAC
TTTGCCAAACCTAATGACAGTCGGGCCCTCCATCTGATGACCAAATGTGCCCAGACAGTAATGGAGGAGC
TGGAGGACATTGTGATTGCGTACGGCCAGAGTGACGAGTACAGCTTTGTGTTTCAGGAAGAAGAGCAATTG
GTTCAAAAGAAGAGCCAGTAAGTTTCATGACTCTCGTGGCCTCCAGTTTGCCTCCAGTTACGTATTTTAC
TGGCGGGATTACTTTGAGGACCAGCCCCCTTCGGTATCCTCCAGGATTTGATGGGAGAGTCGTGTTGTATC
CTAGCAACCAGACTTTGAAGGACTACCTCAGCTGGCGACAGGCAGACTGTCACATCAATAATCTTTATAA
TACAGTTTTCTGGGCCCTTATCCAGCAGTCTGGACTAACACCAAGTCCAAGCCAGCAGAGATTAAAGGGA
ACTCTGACGGCCGACAAGAATGAGATTCTGTTCTCTGAGTTCCACATCACTACAACAATGAGCCACACA
TGTACAGGAAAGGGACGGTGTGGTGTGGCAAAAGGTGGAAGAAGTCAGAACAAGAAGTCAGGCTGCC
AGCAGAAATGGAAGGGGAAAAGAAGCCGTGGCTCGGACCAGAACCCGGGTGGTGGCCTTGAAGTGTGAT
CTTATTGGGATGCCTTCTGGAAGGAACACCCAGAGATTCTGGCGGAAGAGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001080969
Insert Size:	897 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001080969.3 , NP_001074438.1
RefSeq Size:	3797 bp
RefSeq ORF:	897 bp
Locus ID:	66628
UniProt ID:	Q9CY52
Cytogenetics:	11 B1.1
Gene Summary:	Adds a GMP to the 5'-end of tRNA(His) after transcription and RNase P cleavage. This step is essential for proper recognition of the tRNA and for the fidelity of protein synthesis. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.