

Product datasheet for **MC226498**

Thg1l (NM_001290737) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thg1l (NM_001290737) Mouse Untagged Clone
Tag: Tag Free
Symbol: Thg1l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226498 representing NM_001290737
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAGCAGGTTTGCTGAGGAGCACAACCTTTGCCAACCTAATGACAGTCGGGCCCTCCATCTGATGA
CCAAATGTGCCAGACAGTAATGGAGGAGCTGGAGGACATTGTGATTGCGTACGGCCAGAGTGACGAGTA
CAGCTTTGTGTTTCAGGAAGAAGAGCAATTGGTTCAAAGAAGAGCCAGTAAGTTCATGACTCTCGTGGCC
TCCCAGTTTGCCTCCAGTTACGTATTTACTGGCGGGATTACTTTGAGGACCAGCCCTTCGGTATCCTC
CAGGATTTGATGGGAGAGTCGTGTTGTATCCTAGCAACCAGACTTTGAAGGACTACCTCAGCTGGCGACA
GGCAGACTGTCACATCAATAATCTTTATAATACAGTTTTCTGGGCCCTTATCCAGCAGTCTGGACTAACA
CCAGTCCAAGCCCAGCAGAGATTAAGGGAACCTGACGGCCGACAAGAATGAGATTCTGTTCTCTGAGT
TCCACATCAACTACAACAATGAGCCACACATGTACAGGAAAGGGACGGTGTGGTGTGGCAAAGGTGGA
AGAAGTCAGAACACAAGAAGTCAAGCTGCCAGCAGAAATGGAAGGGGAAAAGAAGCCGTGGCTCGGACC
AGAACCCGGTGGTGGCCTTGAAGTGTATCTTATTGGGGATGCCTTCTGGAAGGAACCCAGAGATTC
TGGCGGAAGAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290737
Insert Size: 717 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290737.1, NP_001277666.1</u>
RefSeq Size:	3740 bp
RefSeq ORF:	717 bp
Locus ID:	66628
Cytogenetics:	11 B1.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate start codon, compared to variant 1. This variant (2) has a shorter and distinct N-terminus, compared to isoform 2. 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.</p>