

Product datasheet for **RN204328**

Thg1l (NM_001013966) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thg1l (NM_001013966) Rat Untagged Clone
Tag: Tag Free
Symbol: Thg1l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN204328 representing NM_001013966
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGCTTTCAGCACAGCTAGGATCGGCAGTCCTTTGGCCGCTACTTCCGTTACTTTAAGACGGTGCT
TGAGGTTGGGGTGGCTATGGCCAAGAGCAAGTTTGAGTACGTGCGGGATTTTGAGGTTGACGACACATG
CCTGCCCACTGCTGGGTTGTGGTGCCTGGACGGCCGGAATTTACCGGTTTGCTGAGAAGCACAAC
TTTGCCAAACCTAATGACAGTCGAGCTCTCCATCTGATGACCAATGTGCCAGACAGTAATGCAGGAGC
TGGAGGACATTGATTGCGTATGGACAGAGTGATGAGTACAGCTTTGTGTTTAGGAAGAGAAGCAATTG
GTTCAAAAGAAGAGCCAGTAAGTTCATGACTCTCGTGGCCTCCCAGTTCGCCTCCAGTTACGTGTTTTAC
TGGCGTGATTACTTTGAGGACCAGCCCCTTCTGTATCCCCAGGATTTGATGGAAGAGTCGTGTTGTATC
CTAGCAACCAGACTTTGAAGGACTACCTCAGCTGGCGGCAGGCAGACTGTCACATCAATAATCTTTATAA
TACAGTTTTCTGGGCCCTTATCCAGCAGTCTGGACTAACACCAGTGCAGGCCAGCAGAGACTAAAGGGA
ACTCTGACAGCAGACAAGAATGAGATTCTGTTCTCCGAGTTCACATCAACTACAACAATGAACCACATA
TGTACAGGAAAGGACAGTGTTAGTGTGGCAAAAGGTGAATGAAGTCAGGACACAAGAAATTAGGCTGCC
AGCAGAAATGGAAGGGGAAAAGATGGCCGTGACTCGGACCAGAACCAAGCTGGTGGCTTTGAACTGTGAT
CTCATTGGGGATGCCTTCTGGAAGGAACACCCAGAGATTCTGGAGGGAGAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001013966
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:	<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_001013966.1, NP_001013988.1</u>
RefSeq Size:	1145 bp
RefSeq ORF:	897 bp
Locus ID:	303067
UniProt ID:	<u>Q5M965</u>
Cytogenetics:	10q21
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]