

Product datasheet for **MG204142**

Thg1l (BC092541) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thg1l (BC092541) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thg1l
Synonyms:	RP23-298M7.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204142 representing BC092541 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTGGGCTTCCGCACAGCGAGGATCGGCAGTCTTTGGCTGCTACTTCCGTTATTTAAGACGGTGCC
 TGAGATTGGGGTGGCCATGGCCAAGAGCAAGTTTGAAGTACGTGCGGAATTTGAGGTTCCAGGACACATG
 CCTGCCGCACTGCTGGGTGGTGGTGGCTGGACGGCCGGAATTTCCACCGGTTTGTGAGGAGCACAAC
 TTTGCCAAACCTAATGACAGTCGGGCCCTCCATCTGATGACCAAAATGTGCCCAGACAGTAATGGAGGAGC
 TGGAGGACATTGTGATTGCGTACGGCCAGAGTGACGAGTACAGCTTTGTGTTCCAGGAAGAAGAGCAATTG
 GTTCAAAAGAAGAGCCAGTAAGTTTCATGACTCTCGTGGCCTCCAGTTTGCCTCCAGTTACGTATTTTAC
 TGGCGGGATTACTTTGAGGACCAGCCCCCTTCGGTATCCTCCAGGATTTGATGGGAGAGTCGTGTTGTATC
 CTAGCAACCAGACTTTGAAGGACTACCTCAGCTGGCGACAGGCAGACTGTCACATCAATAATCTTTATAA
 TACAGTTTTCTGGGTCCTTATCCAGCAGTCTGGACTAACACCAAGTCCAAGCCAGCAGAGATTAAAGGGA
 ACTCTGACGGCCGACAAGAATGAGATTCTGTTCTCTGAGTTCCACATCACTACAACAATGAGCCACACA
 TGTACAGGAAAGGGACGGTGTGGTGTGGCAAAAGGTGGAAGAAGTCAGAACAAGAAGTCAGGCTGCC
 AGCAGAAATGGAAGGGGAAAAGAAGGCCGTGGCTCGGACCAGAACCAGGTTGGCTTGAAGTGTGAT
 CTTATTGGGGATGCCTTCTGGAAGGAACACCCAGAGATTCTGGCGGAAGAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG204142 representing BC092541
 Red=Cloning site Green=Tags(s)

MWAFRTARIGSLLAATSVILRRCLRLGVAMAKSKFEYVRNFEVQDTCLPHCWVVRLDGRNFHRFAEEHN
 FAKPNDSRALHMTKCAQTVMEELEDIVIAYGQSDSEYSFVFRKKSNNWFKRRASKFMTLVASQFASSYVFY
 WRDYFEDQPLRYPPGFDGRVVL YPSNQTLKDYL SWRQADCHINNLYNTVFWVLIQQSGLTPVQAQQLKG
 TLTADKNEILFSEFHINYNNEPHMYRKGTVLVWQKVEEVRTQEVRLPAEMEGEKKAVARTRTRVVALNCD
 LIGDAFWKEHPEILAEEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC092541

ORF Size: 894 bp

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.

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: [BC092541.1](#)

RefSeq Size: 1309 bp

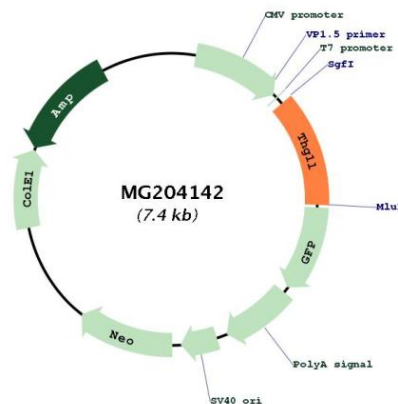
RefSeq ORF: 896 bp

Locus ID: 66628

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]

Product images:



Circular map for MG204142