

Product datasheet for **MG207331**

Thegl (NM_027970) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thegl (NM_027970) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thegl
Synonyms:	1700023E05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207331 representing NM_027970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGAAGGAGACTTCTCAGTTTCATCCGTGCGATCCGAGGTGACGGATGGGCGGAACACCACGACCA
 CGACAGAAACACGCACAACCTCTGAACTCCAACCGAAGCCCTTGTGCTCAGGCTCCTGGAGGTGCAGAA
 TGGTGACGAGGCCGAAGCGGTTGGGGAGGAAGGACAAGAAGAGGACTACGAAGGGTCCAAGACTCACAAA
 TCCCATGAGGTCTCCGCATCCTTCAGATCCCACAACCTCCAGCGATCCTCCCCAGTCCCGCAAGGCCAGTG
 ATCCCTCCGGTCTCGCAAGGGCATTGAGCCCCTGGAGCCCCGCAAGACCAGTGATTCTTCCGGTCCCT
 AATGGGCAGTGATCCCTTCAGTCATCCGAGCGCCAGGAGGATGGAAAAGATGATTTGTTTCCCAACGCA
 GTGATTATGACCTCCCATCTTTGATAGCCAGATACCTACCACGGCTCCAGCTGGCTTCTCTGAGAGCAC
 ACCCAGTTACCCGTGACCTTGTAAAGAAATGTTTTTATTCTAGGAAAAGAGTTCAAGATCTTTCTAAACC
 GAAAAAGCAATGGGGAACCTCCGGACAGGAGGCTGTTTTGGGAAATCAAGATCCCATTGCGCCTGTTTCT
 GAGGCTGCTTTGAAAGCTAAGCTATCCAAGAGAATTGAGGACCTTGCTCAGCCCAGGCTGGTCTCCCGAC
 ATTATGTCCCTAACAGAATTCAATATTACTACAGCTGCGGAAGAGAGTCTGTTATCTGGGAGATCTCTCC
 TCCTGCGCTGTTACCCGGCCTTCAAACGGATCCAGAAGCTGGCCAAACCCAACAAATTCAAAGCACAG
 AGTCTGATAAAGAGAGAAACCGTACCAGGCACCACTCGTTACTCTGATCCTTCTCCCGGATTCTGCGAC
 TCTCCATCGCCAAAGGCACCAATCCCAGCTACCTTCTCCAAAGACCTTGGAAACCAAGATTTCTTCTC
 TACCCTGAGTGCTTGAACCTCAAGGATTGTAGACCTTGCCCAACCAAGGATTAAGATAGAGGGCCTA
 TGCTATGAAAGAGAAAGGAGTGAATTGCCATCCGTCCCGTAGCCCTGCTGCCCTACTTGCTAATCCTA
 GTAAAAGAACGATATTTCTAGCAAAGTCCAAGCGTGTTCATGAAGACTATCTCCCTATCCGAGATGCTCG
 GTGGCCTGTATCTTACGCTGCGACTCATTCTCAGGTGTCTGAGAGAGTCCAGGAGTTAGCTAATCCACAC
 ACAAGGGTCCAGCGAACCTTGTATACTACGACCCAAACGCTTTTAAAGTCAAGCCTTCTGCTTTAAAG
 CACACTGTTCCGACAGGGTCAAGGAGCTGGCGGAACCCATTGTGCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207331 representing NM_027970
 Red=Cloning site Green=Tags(s)

MEEGDFSGSSVRSEVTDGRNTTTTTTETRTTSELQPKPLVLRLLLEVQNGDEAEAVGEEGQEEDEYEGSKTHK
 SHEVSASFRSHNSSDPPQSRKASDSLRSRKGIEPLEPRKTSDFSRLMGSDPLQSSERQEDGKDDLFPNA
 VIMTSPSLIARYLPRQLASLRAHPVTRDLVKKCFYSRKRVDL SKPKKQWGTPDRRLFVGNQDP IRPVS
 EAALKAKL SKRIEDLAQPRLVSRHYVPNRIQYYSCGRESVIWEI SPPALVTRPSKRIQKLAKPNKFKAQ
 SLIKRETVPGTTRYSDPSPRILRLSIAKGTNPSYLPKLTLETKISFSTLSAVATPRIVDLAHPRIKIEGL
 CYERSELPIRPVAPAALLANPSKRTIFLAKSKRVHEDYLPIRDARWPVSYAATHSQVSERVQELANPH
 TRGPANLVYYDPNVFKVPSALKAHCSDRVKELAEPIVR

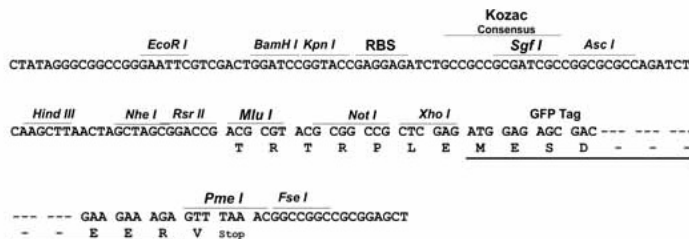
TRTRPLE - GFP Tag - V

Restriction Sites:

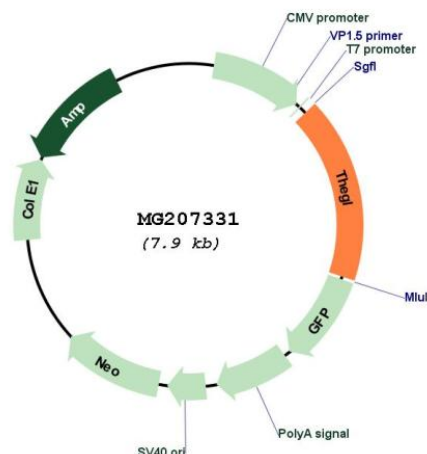
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027970

ORF Size: 1377 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:	<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_027970.1</u> , <u>NP_082246.1</u>
RefSeq Size:	1876 bp
RefSeq ORF:	1380 bp
Locus ID:	71868
UniProt ID:	<u>Q9DA15</u>
Cytogenetics:	5 C3.3