

Product datasheet for **MR207331**

Thegl (NM_027970) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thegl (NM_027970) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thegl
Synonyms:	1700023E05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207331 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAAGGAGACTTCTCAGTTTCATCCGTGCGATCCGAGGTGACGGATGGGCGGAACACCACGACCA
 CGACAGAAACACGCACAACCTCTGAACTCCAACCGAAGCCCTTGTGCTCAGGCTCCTGGAGGTGCAGAA
 TGGTGACGAGGCCGAAGCGGTTGGGGAGGAAGGACAAGAAGAGGACTACGAAGGGTCCAAGACTCAGAAA
 TCCCATGAGGTCTCCGCATCCTTCAGATCCCACAACCTCCAGCGATCCTCCCCAGTCCCGAAGGCCAGTG
 ATCCCTCCGGTCTCGCAAGGGCATTGAGCCCCTGGAGCCCCGAAGACCAGTGATTCTTCCGGTCCCT
 AATGGGCAGTGATCCCCTTCAGTCATCCGAGCGCCAGGAGGATGGAAAAGATGATTTGTTTCCCAACGCA
 GTGATTATGACCTCCCATCTTTGATAGCCAGATACCTACCACGGCTCCAGCTGGCTTCTCTGAGAGCAC
 ACCCAGTTACCCGTGACCTTGAAGAAGATGTTTTATTCTAGGAAAAGAGTTCAAGATCTTTCTAAACC
 GAAAAAGCAATGGGGAACCTCCGGACAGGAGGCTGTTTTGGGAAATCAAGATCCCATTGCGCCTGTTTCT
 GAGGCTGCTTTGAAAGCTAAGCTATCCAAGAGAATTGAGGACCTTGCTCAGCCCAGGCTGGTCTCCCGAC
 ATTATGTCCCTAACAGAATTCAATATTACTACAGCTGCGGAAGAGAGTCTGTTATCTGGGAGATCTCTCC
 TCCTGCGCTGGTTACCCGGCCTTCCAAACGGATCCAGAAGCTGGCCAAACCCAACAAATTCAAAGCACAG
 AGTCTGATAAAGAGAGAAACCGTACCAGGCACCACTCGTTACTCTGATCCTTCTCCCCGATTCTGCGAC
 TCTCCATCGCCAAAGGCACCAATCCCAGTACCTTCTCCAAAGACCTTGGAAACCAAGATTTCTTCTC
 TACCCTGAGTGCTTGAACCTCAAGGATTGTAGACCTTGCCCAACCAAGGATTAAGATAGAGGGCCTA
 TGCTATGAAAGAGAAAGGAGTGAATTGCCATCCGTCCCGTAGCCCTGCTGCCCTACTGCTAATCCTA
 GTAAAAGAACGATATTTCTAGCAAAGTCCAAGCGTGTTCATGAAGACTATCTCCATCCGAGATGCTCG
 GTGGCCTGTATCTTACGCTGCGACTCATTCTCAGGTGTCTGAGAGAGTCCAGGAGTTAGCTAATCCACAC
 ACAAGGGTCCAGCGAACCTTGTATACTACGACCCAAACGCTTTTAAAGTCAAGCCTTCTGCTTTAAAG
 CACACTGTTCCGACAGGGTCAAGGAGCTGGCGGAACCCATTGTGCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207331 protein sequence
 Red=Cloning site Green=Tags(s)

MEEGDFSGSSVRSEVTDGRNTTTTTTETRTTSELQPKPLVLRLLLEVQNGDEAEAVGEEGQEEDYEGSKTHK
 SHEVSASFRSHNSDPPQSRKASDSLRSRKGIEPLEPRKTSDFSRLMGSDPLQSSERQEDGKDDLPNA
 VIMTSPSLIARYLPRLQLASLRAHPVTRDLVKKCFYSRKRVDLSKPKKQWGTDRRLFWGNQDPIRPVS
 EAALKAKLSKRIEDLAQPRLVSRHYVPNRIQYYYSCGRESVIWEISPPALVTRPSKRIQLAKPNKFKAQ
 SLIKRETVPGTTRYSDPSRILRLSLIAKGTNPSYLPKLTLETKISFSTLSAVATPRIVDLAHPRIKIEGL
 CYERERSELPIRPVAPAALLANPSKRTIFLAKSKRVHEDYLPIRDARWPVSYAATHSQVSERVQELANPH
 TRGPANLVYYPNVFKVPSALKAHCSDRVKELAEPIVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_027970

ORF Size: 1380 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.

RefSeq: [NM_027970.1](#), [NP_082246.1](#)
RefSeq Size: 1876 bp

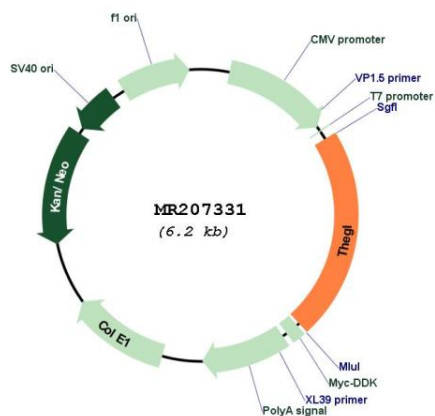
RefSeq ORF: 1380 bp

Locus ID: 71868

UniProt ID: [Q9DA15](#)

Cytogenetics: 5 C3.3
 MW: 51.8 kDa

Product images:



Circular map for MR207331