

Product datasheet for **RR214042**

Thegl (NM_001017498) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thegl (NM_001017498) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thegl
Synonyms:	Thegl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR214042 representing NM_001017498
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAAGGAGACTTCTCAGGATCCGAGCCATCTGAGGTGACGGATGGCAGAACACCAACACCACGA
 TGACACCGAAACACACACAACCACTGAACACCAACCGAAGCCCTTGTGGTCAGGCTCCTGGAGGTGCA
 CAACTGTGATGAGGATGAAGAGGATGAGGAGGAAGAACAAGAAGAGGACCACGAAGCGCCCAAGACTCAC
 AAATCCCACGAGGCTCCGTATCCTTCAAGTCCGTCAACTCCAGTGATCCCCCAAGGCCAGCGACCTTC
 CCCTGTCTGCAAGGCCAGTGACTTCTTGGGTCTCCAAGGCCAGTGATCCCTCGGAGTCTTCAAGGC
 CCTTCAGTCATCGGAGAGCCAGGAGGATGTTAAAGATGACTTGTTTTCCAACGCAGTGATTAGGACCTCC
 CCATCTTTGATGACCGGATACCCACCGCAGCTCCAGCTGACTTCCCTGAGAGCACACCCTGCTACCCGTG
 ACCTTGTAAGAAATGTTTTATTCTAGAAAGAGAGTTCAAGATCTTCTAGACCGAAAAAGCAATGGGG
 AACTCCAGATAGGAGGCTGTTTTGGGAAATCAAGAGCCATTGCCCCTGTTTCTGAGGCTGCTTTGAAA
 GCTCCGTGAGCAAGAGAATCGAGGACCTCGCACAGCCAGGCTGGTCTCCCGACATTATGTCCTAACAA
 GAGTTCAATATTACTACAGCTGCGGAAGAGATTCTGTTATCTGGGAGATCCCTCCTCCTGCACTGATTAC
 CCAGCCTTCCAAACGGATCCAGAAACTGGCCAAACCAACAGATTCAAAACACAGAGTCTGATAAATAGA
 GAGAACTTACCAGGCACCCTCCGCTATTCGGATCCCTCTCCCGGATTCTGCGACTCTCCATAGCCAAAG
 GCACAGATCCCAACTACATCCCTCCAAAGACTATTCAACTAAGATTTCTTCTCTACCTGAGTGCGGT
 TGCAAGTCCAAGGATTGTAGACCTTGCCACCCAAGGATTAAGATAGAGGGTCTATGCTATGAAAGAGAA
 AGGAGTGAATTGCCATCCGTCTGTAGCCCTGCTGCCCTGCTGCCAATCCTAGTGAAGAACGATAT
 TTCTAGCAAAGTCCAACGTGTTACGAAGACTATCTCCCTGTCGAGATGCTCGATGGCCTATATCTTA
 TGCTGCGACTCATCCTCAGGTGTCTGAGAGAATCCAGGAAGTCCAGCAATCCACACACAAGGAGTCCAACG
 CACGTTGTATATTACGACCCGGATGTCTTTAAAGTCAAGCCTTCTGCTTTGAAAGCACATTGTTCCAACA
 GGGTCAAGGAGCTGGCGAACCCATTGTGCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214042 representing NM_001017498
 Red=Cloning site Green=Tags(s)

MEEGDFSGSEPSEVTDGQNTNTMTTETHHTTEHQPKPLVVRLLVHNCDEDEDEEEEEEQEDHEAPKTH
 KSHEASVSKSVNSDSPKASDLPLSCKASDFLGSSKASDPSESFKALQSSESQEDVKDDLFSNAVIRTS
 PSLMTGYPPQLQLTSLRAHPATRDLVKKCFYSRKRVDLSRPKKQWGTDPDRRLFNGNQEPIRPVSEALK
 APSSKRIEDLAQPRLVSRHYVPNRVQYYSYSCGRDSVIWEIPPPALITQPSKRIQKLAKPNRFKTKSLINR
 ENLPGTLRYSDPSRILRLSLAKGTDPNYIPPKTIQTKISFSTLSAVASPRIVDLAHPRIKIEGLCYERE
 RSELPPIRVAPALLANPSERTIFLAKSKRVHEDYLPVRDARWPISYAATHPQVSERIQELANPHTRSPT
 HVVYDPPDVFVKPSALKAHCSNRVKELAEPIVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001017498

ORF Size: 1362 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_001017498.1](#), [NP_001017498.1](#)
RefSeq Size: 2686 bp

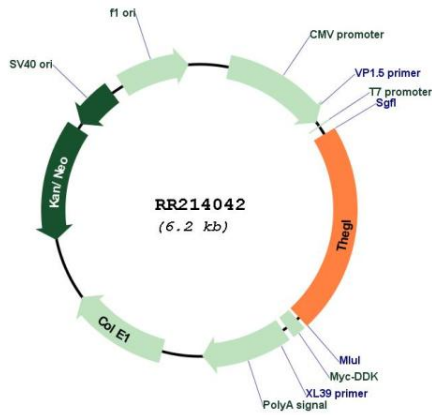
RefSeq ORF: 1365 bp

Locus ID: 498350

UniProt ID: [Q5PQR6](#)

Cytogenetics: 14p11
 MW: 51.2 kDa

Product images:



Circular map for RR214042