

## Product datasheet for **RG223268**

### THEG (NM\_199202) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** THEG (NM\_199202) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** THEG  
**Synonyms:** CT56; THEG1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG223268 representing NM\_199202  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGGACAGCAGGCGAAGGTCACTCGGGAACCGCCAGCTCTGAGGCTGCGGGCAGGTCGGAAAGGG  
 AGCAGGACGGCGACCCCGTGGCTCCAGAGCTCTGTGTACGAGAGCCGGCGGTACAGACCCCGAACG  
 CCAGGACCTGGACAATGCAGAGCTGGGACCAGAAGACCCAGAAGAGGAGCTTCCCCCGAGGAGGTGGCC  
 GGGGAGGAGTTCCCGGAGACCCTGGATCCCAAAGAGGCACTTTCTGAGTTGGAGAGAGTCTGGACAAGG  
 ACTTGGAAGAGGACATTCCTGAAATCAGCCGGCTGTCCATCAGCCAGAAGCTCCCAGCACCACCATGAC  
 CAAAGCAAGGAAGAGGAGGAGGCGGAGGAGGCTCATGGAGCTGGCAGAGCCAAAGATAAACTGGCAAGTC  
 CTGAAAGACAGGCCCTCTGTGTACTGGACCGAGCGGTTCCCTTGAGGACACCACCCTCACCATCACAGTGC  
 CCGCGGTGTCCCGCCGCTGGAGGAACTGTCTCGGCCAAGAGATTCTACCTGGAATATTACAACAACAA  
 CAGGACGACTCCTGTCTGGCCATTCTCGGTCTCCCTGGAATACAGAGCGTCGAGTCGCTGAAGGAA  
 CTGGCCGCCCCGAAGATTCGTGATAACTTCTGGAGCATGCCATGTCTGAGGTGTCCAGGTATCCAGGG  
 CAGCCCAATGGCAGTCCCAGCTCGCGGATCCTCCAGTTGTCAAAGCCGAAGGCCCCAGCCACCCTCTT  
 GGAAGAGTGGGACCCCGTGCACAAACCAAGCCACATGTGTGAGCAGCATAACCGCCTCCTCACTTGGCC  
 AGGCCAAAGCTCAGTCGGACAAGTGCGTTCCTGACCGAGATCCTCGCTGGGAGGTGCTGGATGTCACCA  
 AGAAGGTGGTGGCCAGCCCCGGATCATCTCCCTGGCCAAAGCCAAAGTGCAGCAAGGGCCTCAACGAGGG  
 ATACGACAGGCGTCCCCTCGCCTCTATGAGCTTGCCACCCCAAAAGCATCACCAGAAAAGTGTGATCAA  
 CCCAGGCTGGCCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223268 representing NM\_199202  
 Red=Cloning site Green=Tags(s)

MGDSRRRSLGNQPSSEAAGRSEREQDGDPRGLQSSVYESRRVTDPERQDLDNAELGPEDPEEELPPEEVA  
 GEEFPETLDPKEALSELERVLDKDLEEDIPEISRLSISQKLPSTMTKARKRRRRRLMELAEPKINWQV  
 LKDRPSVYWTERFLEDTTLTITVPAVSRVVEELSRPKRFYLEYNNRRTTPVWPIPRSSLEYRASSRLKE  
 LAAPKIRDNFWSMPMSEVSQVSRAAQMAVPSSRILQLSKPKAPATLLEWDPVVPKPKPHVSDHNRLHLA  
 RPKAQSDKCVPRDRPWEVLDVTKKVVASPRIISLAKPKVRKGLNEGYDRRPLASMSLPPPKASPEKCDQ  
 PRPGL

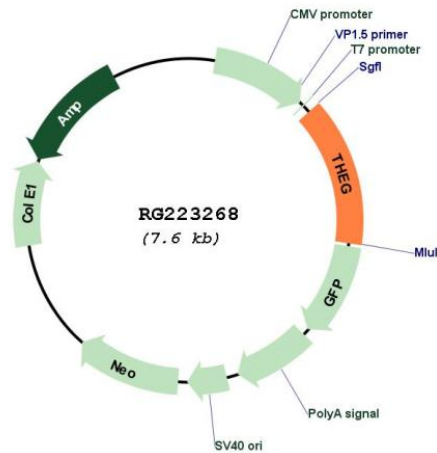
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_199202

<b>ORF Size:</b>	1065 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199202.3</a>
<b>RefSeq Size:</b>	1265 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	51298
<b>UniProt ID:</b>	<a href="#">Q9P2T0</a>
<b>Cytogenetics:</b>	19p13.3
<b>Gene Summary:</b>	This gene is specifically expressed in the nucleus of haploid male germ cells. The orthologous gene in mice encodes a protein that may play a role in protein assembly through interactions with T-complex protein 1 subunit epsilon. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]