

Product datasheet for **MG205345**

Theg (BC061243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Theg (BC061243) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Theg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205345 representing BC061243 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACTTGGTGAACACCGGGCCAGTTTGCTCAGTAACCCAATCCCGGAGGTCAAGACTTTGGGAG
AGTTAAAGCAGGGACAGAACAATGGCAATTTGGACCTTGAGAGCGAGCCATTTGGGAGCCATTGGTTGCA
GGGCTCTAAGGCCACTACAGGGCGAACCTCAGAAGAACCAGAGGAGGAAATCCCCCAGAGGAGATGGCT
GGGAAGAGCTCCCGGAGACCTCCAATCTGGATGGTCTCTTCAACAAGACCTGGAGGTGGAAGTGGTTG
AAATGAGCCATCTGTCCATCACTGAGCGGACTCCAGTGTCTCCACAGCCAAGGGCAGGAAAAAGAGGAG
CCGGAGGCTGCTGGAGCTGGCGAAGCCTAAGACCAACTGGCAATGTCTGAGAGACAGGCCTTCTGTATAC
TGGACCGAGCGATTTATCGAGGACACCAGTGGACCATCACGGTCCCTGTGGTGTCCCAGCGCATGGAGG
AGCTTTTCGAGGCCAAGCGGTTCTACCAGGAATATTACAACAATAACAGGACAACGCCCATCTGGTCCAT
CCCTCGGTCCACTCTGGAGTACCAAGCTTCTAACCAGGCTGAAGCAACTGGCTACCCCGAAGGTTTCGCAAT
AACATCTGGAGCATTAAATGTCTGAGGTTTCCCAAGTCTCCAGAGCAGCCAGATGGCAGTCCCGACCC
CACGGACGCTTCGGCTGGCAAAGCCAGGCCCCAGCCACTCTGTTGGAAGAGTGGGACCCTATGCCAAA
ACCAAGCCTTACGTGTCAGACTATAACCGCCTTCTTCAGCTGGCAACACCAAGGCCCTGTCAGAAAAG
TGCCTTCTGATCGAGTCTCAGTGGGAGGCTCTGGATGTCACCAAGAACGCGGTGGCCAGTTCACGGA
TCATCTCCCTGGCCAGCCAAAATTGAAAGGACCTCAACGAGGGCTACAACCCATACTACATCTCCCC
AGCCTCTCTGGTGGCTCAGGCATCTCCTCGAATTTATGAGCTTCCACCCCAAAATACATACCAAGAAA
GTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205345 representing BC061243
 Red=Cloning site Green=Tags(s)

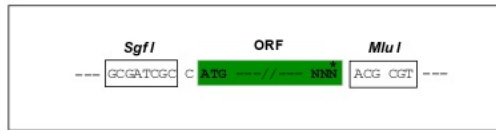
MGELGEHRASLLSNPIPEVKTLGELKQGQNNGNLDLESEPFQSHWLQGSKATTGRTSEEPEEEIPPEEMA
 GEELPETSNDGPLQQDLEVEVEMSHLSITERTPSVSTAKGRKKRSRRLLELAKPKTNWQCLDRDPSVY
 WTERFIEDTTLITVPPVVSQRMEELSRPKRFYQEYNNRRTPIWSIPRSTLEYQASNRLQLATPKVRN
 NIWSINMSEVSQVSRAAQMAVPTPRTLRLAKPRPPATLLEEWDMPKPKPYVSDYNRLQLATPKALSEK
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 V

TRTRPLE - GFP Tag - V

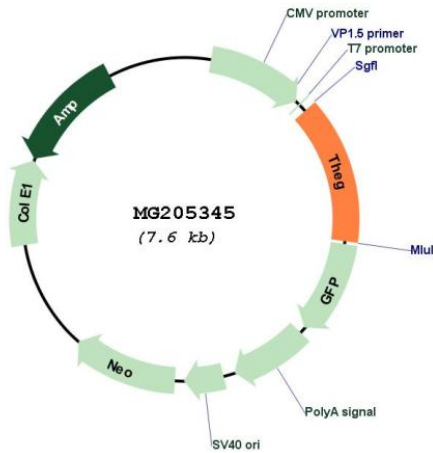
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC061243

ORF Size:	1055 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:	BC061243 , AAH61243
RefSeq Size:	1265 bp
RefSeq ORF:	1055 bp
Locus ID:	21830
Cytogenetics:	10 C1
Gene Summary:	May be involved (but not essential) in spermatogenesis.[UniProtKB/Swiss-Prot Function]