

## Product datasheet for **MG206950**

### Fgg (NM\_133862) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fgg (NM_133862) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fgg
Synonyms:	3010002H13Rik; AI256424
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206950 representing NM_133862 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGTCTTTGCAGCCCCGAGTTTCCTTCTTTGCTGCCTGCTTTTACTGTTCTCTCCAACGGGCC  
TGGCATATGTGGTACCAGAGATAACTGTTGCATCCTAGATGAGAGATTCGGTAGTTTCTGCCAACCCAC  
CTGTGGTATCGCAGATTTCTGTCTTCTACCAAACCGACGTGGACAATGATCTCCGAACGCTGGAAGAC  
ATCTTATTCGGGCTGAAAACAGAACCACAGAAGCCAAAGAACTGATCAAAGCAATTCAGGTTTACTACA  
ACCCAGACCAACCCCAAAGCCAGGTATGATAGACAGTGCCACTCAGAAGTCTAAGAAGATGGTAGAAGA  
AATTGTGAAATACGAAGCGCTGCTGTTAACCCACGAGACAAGCATTTCGGTATTTACAGGAAATCTATAAT  
TCAAATAACCGAAGATCACAAACCTAAAACAGAAGGTAGCCAGCTTGAAAGCCAGTGCCAGGAGCCTT  
GCAAGGACTCTGTGCAAAATCCATGACACAACCTGGAAAAGATTGTCAGGAAATGGCAACAAGGGCGCCAA  
AGAAAGTGGACTTTACTTCATTCGACCTTTGAAAGCTAAGCAGCAGTTCTTAGTGTACTGTGAAATCGAC  
GGATCTGGAAATGGTTGGACCGTATTGCAGAAGAGGATTGATGGCAGTTTGGATTCAAGAAGAAGTGGAA  
TTCAGTATAAAGAAGGATTTGGACACCTGTCGCCTACTGGCACCACAGAGTTTGGCTGGGAAATGAGAA  
GATTCATTTGATAAGCATGCAGTCCACAATTCATATGCATGAGAATACAGCTCAAAGACTGGAATGGC  
AGAACCAGCACTGCGGACTATGCCATGTTCAAGGTGGTCCCAGTCTGACAAATACCCGCTGACCTATG  
CCTACTTCATTGGTGGAGATGCCGGGGATGCCTTCGACGGCTACGATTTTCGGCGATGACCCAGTGACAA  
GTTTTTACATCCACAACCGCATGCAGTTCAGTACCTGGGACAACGACAACGATAAGTTTGAAGGCAAC  
TGTGCGGAACAGGATGGATCCGGCTGGTGGATGAACAAATGTCACGCAGGCCACCTCAATGGAGTTTATC  
ACCAAGTGGTACTTACTCAAAATCATCTACTACTAATGGTTTCGACGACGGCATTATTTGGGCGACCTG  
GAAAAGCCGCTGGTATTCTATGAAGGAAACCACCATGAAGATAATTCCTTCAACAGACTCTCCATCGGA  
GAAGGACAGCAGCATCACATGGGGGATCCAAACAGGCTGGAGACGTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206950 representing NM\_133862  
 Red=Cloning site Green=Tags(s)

MSWSLQPPSFLLCCLLLFSPTGLAYVATRDNCCILDERFGSFCPTTCGIADFLSSYQTDVDNDLRTLED  
 ILFRAENRTTEAKELIKAIQVYYNPDQPPKPGMIDSATQKSKMVEEIVKYEALLLTHETSIRYLQEIYN  
 SNNQKITNLKQKVAQLEAQCQEPCKDSVQIHDTTGKDCQEIANKGAKESGLYFIRPLKAKQQLVYCEID  
 GSGNGWTVLQKRIDGSLDFKKNWIQYKEFGHLSPGTTEFWLGNEKIHLISMQSTIPYALRIQLKDWNG  
 RTSTADYAMFRVGPESDKYRLTYAYFIGGDAGDAFDGYDFGDDPSDKFFTSHNGMQFSTWDNDNDKFE  
 GNC A EQDGGSGWMMNKCHAGHLNGVYHQGGTYSKSSSTNGFDDGIIWATWKSRYSMKETTMMKIIPFNRLSIG  
 EGQHHMGGSKQAGDV

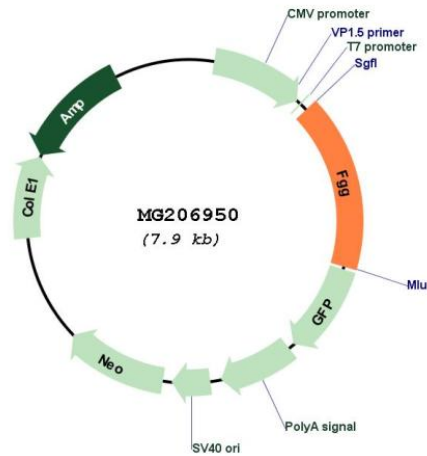
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_133862

<b>ORF Size:</b>	1308 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_133862.2</a>
<b>RefSeq Size:</b>	1536 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	99571
<b>UniProt ID:</b>	<a href="#">Q8VCM7</a>
<b>Cytogenetics:</b>	3 36.94 cM
<b>Gene Summary:</b>	This gene encodes the gamma subunit of the coagulation factor fibrinogen, which is a component of the blood clot. Mice lacking the encoded protein did not possess detectable amounts of plasma fibrinogen. Pregnant mice lacking the encoded protein die due to heavy bleeding during delivery. This gene is located adjacent to the genes encoding fibrinogen alpha and gamma subunits on chromosome 3. Alternate splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2015]