

## Product datasheet for **MG207262**

### Angptl3 (NM\_013913) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl3 (NM_013913) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Angptl3
Synonyms:	hy; hyp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207262 representing NM\_013913  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACACAATTAATTATTCCTTTTTGTGTTCTTTAGTAATTGCATCCAGAGTGGATCCAGACCTTT  
 CATCATTTGATTCTGCACCTTCAGAGCCAAAATCAAGATTTGCTATGTTGGATGATGTCAAATTTTAGC  
 GAATGGCCTCCTGCAGCTGGGTCACTGGACTTAAAGATTTGTCCATAAGACTAAGGGACAAATTAACGAC  
 ATATTTTCAAGAGCTCAACATATTTGATCAGTCTTTTTATGACCTATCACTTCGAACCAATGAAATCAAAG  
 AAGAGGAAAAGGAGCTAAGAAGAACTACATCTACACTACAAGTAAAAACGAGGAGGTGAAGAACATGTC  
 AGTAGAACTGAACTCAAAGCTTGAGAGTCTGCTGGAAGAGAAGACAGCCCTTCAACACAAGGTCAAGGCT  
 TTGGAGGAGCAGCTAACCACTAATTCTAAGCCAGCTGGGGCTCAGGAGCACCCAGAAGTAAACATCAC  
 TCAAAAGTTTTGTAGAACAGCAAGACAACAGCATAAGAGAACTCCTCCAGAGTGTGAAGAACAGTATAA  
 ACAATTAAGTCAACAGCACATGCAGATAAAGAAATAGAAAAGCAGCTCAGAAAGACTGGTATTCAGAA  
 CCCTCAGAAAATCTCTTTCTTAAATCAAGAGCACCAAGAAGCTACTCCCTCTTCAACTGAACGAAA  
 CAGAAAATACAGAACAAGATGACCTTCTGCCGACTGCTCTGCCGTTTATAACAGAGGCGAACATACAAG  
 TGGCGTGTACACTATTAACCAAGAAACTCCCAAGGGTTAATGTCTACTGTGATACCCAATCAGGCAGT  
 CCATGGACATTAATCAACACCGGAAAGATGGCTCACAGGACTTCAACGAAACATGGGAAAACACTAGAAA  
 AGGGCTTTGGGAGGCTCGATGGAGAATTTGGTTGGGCCCTAGAGAAGATCTATGCTATAGTCCAACAGTC  
 TAACTACATTTTACGACTCGAGCTACAAGACTGGAAGACAGCAAGCACTACGTTGAATACTCCTTTTAC  
 CTGGGCAGTCACGAAACCACTACAGCTACATGTGGCTGAGATTGCTGGCAATATCCCCGGGGCCCTCC  
 CAGAGCACACAGACCTGATGTTTTCTACATGGAATCACAGAGCAAAGGGACAGCTCTACTGTCCAGAAA  
 TTACTCAGGTGGCTGGTGGTGAATGACATATGTGGAGAAAACAACCTAATGGAAAATACAACAACCC  
 AGAACCAATCCAGACCAGAGAGAAGAAGGGATCTACTGGAGACCTCAGAGCAGAAAGCTCTATGCTA  
 TCAATCATCCAAAATGATGCTCCAGCCACCACC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207262 representing NM\_013913  
 Red=Cloning site Green=Tags(s)

MHTIKLFLFVPLVIASRVDPDLSSFDSAPSEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQIND  
 IFQKLNIFDQSFYDL SLRTNEIKEEELRRTTSTLQVKNEEVKNMSVELNSKLESLLEEKALQHKVRA  
 LEEQLTNLILSPAGAQEHPVTSLSKSFVEQQDNSIRELLQSVEEQYKQLSQQHMQIKEIEKQLRKTGIQE  
 PSENSLSSSRAPRTTPPLQLNETENTEQDDL PADCSAVYNRGEHTSGVYTIKPRNSQGFNVYCDTQSGS  
 PWTLIQHRKDGSDQDFNETWENYEKGFGRLDGEFVLGLEKIYAIYVQSNYILRLELQDWKDSKHVEYSFH  
 LGSHEPTYLHVAEIAGNIPGALPEHTDLMFSTWNHRAKGLYCPESYSGGWWWNDICGENNLNGKYNKP  
 RTKSRPERRRGIYWRPQSRKLYAIKSSKMLQPTT

**TRTRPLE** – GFP Tag – V

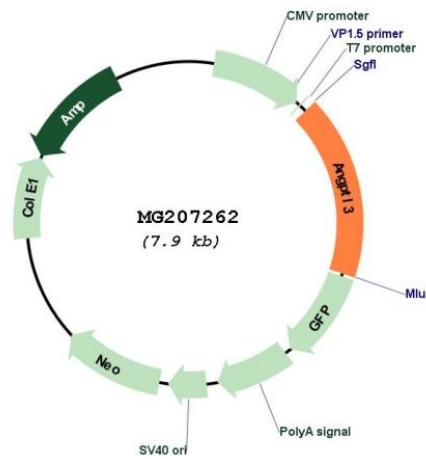
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_013913

ORF Size: 1365 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.

<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>	<u><a href="#">NM_013913.2</a></u> , <u><a href="#">NP_038941.1</a></u>
<b>RefSeq Size:</b>	1605 bp
<b>RefSeq ORF:</b>	1368 bp
<b>Locus ID:</b>	30924
<b>UniProt ID:</b>	<u><a href="#">Q9R182</a></u>
<b>Cytogenetics:</b>	4 45.6 cM
<b>Gene Summary:</b>	This gene encodes a member of the angiotensin-like family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, which may inhibit triglyceride metabolism. Homozygous knockout mice for this gene exhibit reduced plasma lipid concentrations, including reduced plasma triglyceride concentrations, and enhanced activity of enzymes involved in triglyceride metabolism. [provided by RefSeq, Aug 2015]