

## Product datasheet for **RR211040**

### Angptl4 (NM\_199115) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl4 (NM_199115) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angptl4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR211040 representing NM_199115 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCTGCGCTCCGACCGCAGGCGTCTAGTGCTATGCGCAGCTACTGCGGGGCTGCTGAGCGCGC  
AAGGGCGCCCTGCACAGCCGGAGCCGCCGCGCTTCGCATCCTGGGATGAAATGAACCTGCTGGCTCACGG  
GCTGCTGCAGCTCGGTACGGGCTGCGGGAACACGTGGAGCGCACCCGTGGACAGCTGGGCGCGCTGGAA  
CGCCGCATGGCTGCCTGCGGTAACGCTTGCCAGGGGCCAAGGGGACAGACCCGAAGGATAGAGTCCCCG  
AAGGCCAGGCTCCTGAGACTCTGCAGAGTTTACAGACTCAACTCAAGGCTCAGAACAGCAAGATCCAGCA  
ACTGTTCCAGAAGGTAGCCAGCAGCAGAGATACCTATCAAAGCAGAATCTGAGAATACAGAATCTTCAG  
AGCCAGATTGACCTTTGACCCACACACCTAGACAATGGGGTAGACAAGACTTCGAGGGGAAAGAGGC  
TTCCCAAGATGGCCAGCTCATTGGCTTGACTCCCAACGCCACCCGCTTACACAGGCTCCCCGGGACTG  
CCAGGAACTTTCAAGAAGGGGAGCGGCACAGTGGACTTTTCCAGATCCAGCCTCTGGGATCTCCACCA  
TTTTTGGTCAACTGTGAGATGACTTCAGATGGAGGCTGGACGGTGATTTCAGAGACGCTGAACGGCTCTG  
TGGACTTCAATCAGTCTGGGAAGCCTACAAAGATGGCTTCGGAGATCCCAAGGCGAGTCTGGCTGGG  
CCTAGAGAAGATGCACAGCATCACAGGGGACCGAGGAAGCCAGTTGGCTGTGCAGCTCCAGGACTGGGAT  
GGCAATGCCAAATTGCTCCAATTTCTATCCATTTGGGGGTGAGGACACAGCCTACAGCCTGCAGCTCA  
CCGAGCCACGGCAATGAGCTGGGTGCCACCAATGTTTCCCCCAATGGCCTTTCCCTGCCCTTCTCTAC  
CTGGGACCAAGACCACGACCTCCGAGGGGACCTTAACTGTGCCAAGAGCCTCTCTGGTGGCTGGTGGTT  
GGCACCTGCAGCCATTCCAATCTAAATGGACAATACTTCCACTCTATTCCACGGCAACGGCAGCAGCGTA  
AAAAGGGGATCTTCTGGAACATGGAAGGGCCGCTACTATCCACTACAGGCTACCACCCTGTTGATCCA  
GCCCATGGAGGCTACAGCAGCCTCC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

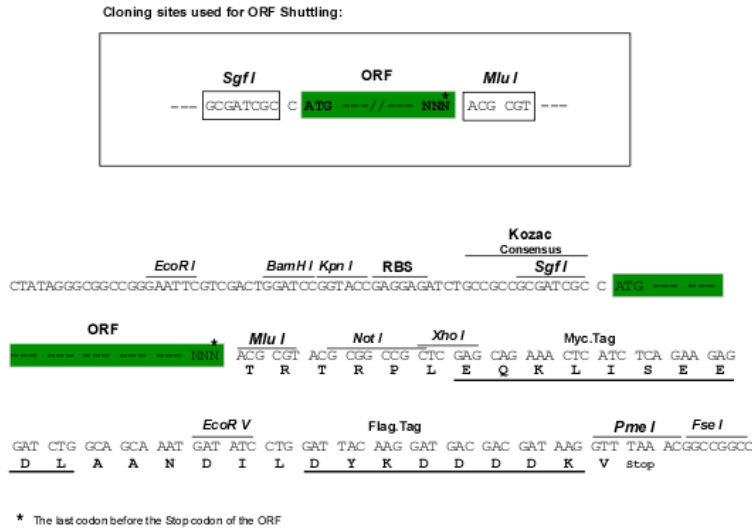
**Protein Sequence:** >RR211040 representing NM\_199115  
Red=Cloning site Green=Tags(s)

MRCAPTAGAALVLC AATAGLLSAQGRPAQPEPPRFASWDEMNL LAHGLLQLGHGLREHVERTRGQLGALE  
 RRMAACGNACQGP KGTDPKDRVPEGQAPETLQSLQTQLKAQNSKIQQLFQKVAQQQRYLSKQNLRIQN LQ  
 SQIDLLTPTHLDNGVDKTSRGRKRLPKMAQLIGLTPNATRLHRPPRDCQELFQEGERHSGLFQIQPLGSP  
 FLVNCENTSDGGWTVIQRR LINGSVDFNQSW EAYKDGFGDPQGEFWLGLEKMHSITGDRGSQLAVQLQDWD  
 GNAKLLQFPIHLGGEDTAYSLQLTEPTANELGATNVSPNGLSLPFSTWDQDHLRGLDNC AKSLSGGWFF  
 GTCSHSNLNGQYFHSIPRQRQQRKKGIFWKTWKGRYYPLQATTLTIQPMEATAAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_199115

**ORF Size:** 1215 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\\_199115.2](#), [NP\\_954546.1](#)

**RefSeq Size:** 1871 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 362850

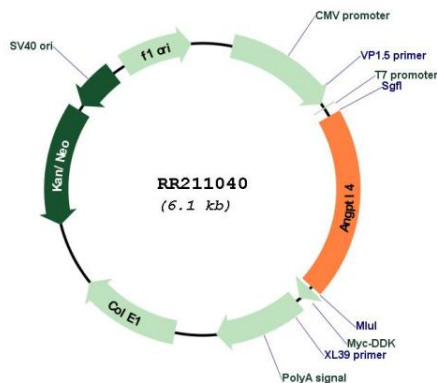
**UniProt ID:** [Q6TMA8](#)

**Cytogenetics:** 7q13

**MW:** 45 kDa

**Gene Summary:** a circulating protein which causes an increase in plasma very low density lipoprotein by inhibition of lipoprotein lipase activity [RGD, Feb 2006]

**Product images:**



Circular map for RR211040