

## Product datasheet for **RR213242**

### Angptl2 (NM\_133569) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl2 (NM_133569) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angptl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR213242 representing NM\_133569  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGCCACTGTGTATGACTTACTGGTGGCTTGGACTGTGCCACCGTGGGAGCTGTTACAGGCCAG  
 AGGCTGATGTTGAGGGCGCAGAGGATGGTTCGAGAGAGAGTACATTTACCTCAACAGGTACAAGAGGGC  
 AGGTGAGTCCCCAGACAAGTGCACCTACACTTTTATTGTGCCCCAGCAGCGGGTACAGGTGCCATTTGT  
 GTCAACTCCAAGAGCCCGAGGTGCACCTGGAGAACCCTGTGCACAAGCAGGAGCTGGAGCTGCTCAACA  
 ATGAGCTGCTTAAGCAGAAGCGGCAGATCGAGACGCTGCAGCAGCTGGTAGAGGTAGATGGCGGCATCGT  
 GAGCGAGGTGAAGCTCGTGCGAAGGAGAGCCGCAACATGAACTCTCGGGTACACAGCTGTACATGCAG  
 CTTCTACACGAGATCATTGCAAGCGAGACAATGCGCTGGAGCTTCCAGCTGGAGAACAGGATCTGGA  
 ACCAGACAGCTGACATGCTGCAGCTGGTGAAGTACAAGGACCTGGAGCACAAGTCCAGCACCTGGA  
 TATGCTGGCACACAACCAATCAGAGGTCAATGCCAGCTTGAAGAGCACTGCCAACGTGTACCTGCAGCC  
 AGGCCTGTGCCAGCCACCCAGCCAGCCACCTCGGGTCTACCAGCCACCAACCTACAACCGCATCA  
 TCAACCAGATCTCCACTAATGAGATCCAGAGTGACCAGAATCTGAAGGTGCTGCCACCCTCCCTGCCAC  
 CATGCCTGCCCTTACCAGTCTCCCATCTTCCACTGATAAGCCATCAGGTCCATGGAGAGATTGTCTACAG  
 GCCCTGGAGGATGGTACAGCACCAGCTCCATCTACCTGGTGAAGCCGGAGAATACCAACCGCCTTATGC  
 AGGTGTGGTGGCACCAGAGACATGACCCCTGGGGTTGGACTGTATCCAGAGACGCTGGATGGCTCTGT  
 CAATTCTTCAGAACTGGGAGACCTATAAGCAAGGGTTGGGAACATCGACGGCAACTACTGGCTGGGC  
 CTGGAGAACATCTACTGGCTGACGAACCAAGGCAACTACAATTGCTTGAACCATGGAGGACTGGTCTG  
 GCCGCAAACTCTTTCAGAGATGCTAGCTCCGACTGGAGCCAGAAAGCAGTACTATAAGTGGCTGGCT  
 GGGCGTTCATCACGGCAACGCAGGCGACTCCTTTACCTGGCACAACGGCAACAGTTCACCACCCTGGAC  
 AGGGACCATGATGCTACACAGGAACTGTGCCACTATCAGAAGGGAGGATGGTGGTACATGCCTGTG  
 CTCACTCAACCTCAATGGGGTCTGGTACCGTGGGGGCCATTACCGGAGCCGATACCAGGATGGGGTCTA  
 CTGGGCTGAGTTCGAGGAGGATCTTACTCACTCAAGAAGGTGGTATGATGATTCGGCCCAACCCCAAC  
 ACTTTCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213242 representing NM\_133569  
 Red=Cloning site Green=Tags(s)

MRPLCMTYWLLGLLATVAVTGPEADVGAEDGSQREYIYLNRYKRAGESPDKCTYTFIVPQQRVTGAIC  
 VNSKEPEVHLENRVHKQELLELLNELLKQKRQIETLQQLVEVDGGIVSEVKLVVRKESRMNNSRVTLQYMQ  
 LLHEIIRKRDNALELSQLENRILNQADMLQLVSKYKDLHFKQHLDMLAHNQSEVIAQLEEHCQRVPA  
 RPVPQPPPATPPRVYQPPTYNRIINQISTNEIQSDQNLKVLPPSLPTMPALTSLPSSTDKPSGPWRDCLQ  
 ALEDGHTSSIYLVKPNENTNRLMQVWCDQRHDPGGWTVIQRRLDGVSNNFRNWETKQGFNIDGEYWL  
 LENIYWL TNQGNKLLVTMEDWSGRKVF AEYASFRLEPESEYYKRLRLGRYHGNAGDSFTWHNGKQFTTLD  
 RDHDVYTGNAHYQKGGWYNACAHSNLNGVWYRGGHYRSRYQDGVYWAEFRGGSYSLKVVMMIRPNP  
 TFH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

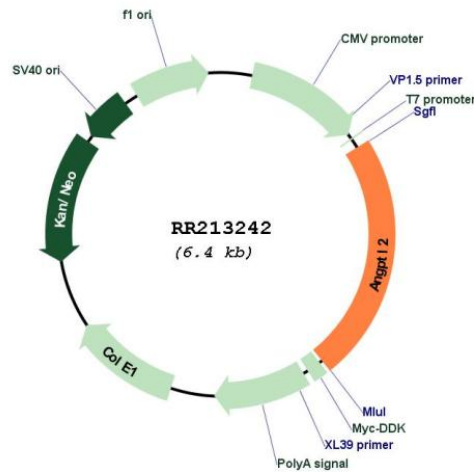
**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_133569

ORF Size: 1479 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\\_133569.1](#), [NP\\_598253.1](#)

**RefSeq Size:** 2138 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 171100

**Cytogenetics:** 3p11

**MW:** 57.2 kDa

**Gene Summary:** may be associated with the angiotensin II type 1A receptor [RGD, Feb 2006]