

## Product datasheet for **RN212791**

### **Angpt1 (NM\_053546) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Angpt1 (NM_053546) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Angpt1
Synonyms:	Agpt; Agpt1; Ang-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212791 representing NM\_053546  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAGTTTTCTTTCTTTGCACTTCTCGTGCATTCTGACTCACATAGGGTGCAGCAACCAGCGCC  
 GGAGTCCAGAAAACGGAGGGAGAAGATATAACCGAATTCACATGGGCAATGTGCCTACACTTTCTTCT  
 TCCAGAACACGACGGAACTGCCGTGAGAGTGCAGACAGCAGTACAACCAACGCTCTGCAAAGGGAT  
 GCTCCACACGTGGAGACGGATTTCTCTTCCAGAACTTCAGCATCTGGAGCATGTGATGGAAAATTATA  
 CTCAGTGGCTGCAAAAACCTTGAGAATTACATTGTGAAAAATGAAGTCGGAGATGGCCAGATACAACA  
 GAATGCGGTTCAAACCACACGGCCACCATGCTGGAGATAGGAACCAGCCTCTTGTCTCAGACTGCAGAG  
 CAGACCCGAAAGCTCACAGATGTGGAGACCCAGGTAATAATCAAACATCCCGTCTTGAATCCAACCTGC  
 TGGAGAATTCATTATCAACATACGAGCTAGAGAAACAGCTTCTCCAACAGACAAATGAAATCTGAAGAT  
 TCAGGAAAAAACAGTTTATTAGAGCATAAAATCCTAGAATGGAGGGAAAAACAAGGAAGAGCTGGAC  
 ACCTTGAAGGAGGAGAAAAGAAAACCTTCAAGGCTTGGTTACTCGTCAGACATTCATCATCCAAGAATTGG  
 AGAAGCAACTTAGCAGAGCTACCAGCAACAACAGTGTCTGCAGAAGCAACAACCTGGAGCTCATGGACAC  
 AGTCCATAACCTTGTGACGCTTTGCACAAAAGAAGTTTGTAAAGGGAGGAAAAAGAGAAGAAGAGAAA  
 CCATTTGAGACTGTGCAGATGTATCAAGCTGGTTTTAATAAGAGTGGAACTACACTATTTATTTTA  
 ATAATATGCCAGAACCCAAAAGGTATTTTGAATATGGATGTGAATGAAGGAGGATGGACAGTAATACA  
 ACACCGTGAGGATGGAAGCCTAGATTTCCAGAGGGGCTGGAAGGAGTAAAAATGGGTTTTGGGAATCCC  
 TCTGGTGAATATTGGCTTGGGAACGAGTTCATTTTGAATAACCAGTCAGAGGCAGTACATGCTGAGGA  
 TCGAGCTGATGGACTGGGAAGGGAACCGAGCCTACTCACAGTACGACAGATTCACATAGGAAACCAGAA  
 GCAGAACTACAGGTTATATTTAAAGGGTCACACGGGGACAGCAGGCAAAACAGAGCAGCTTGATCTTACAT  
 GGTGCTGATTTACGACAAAAGGACGCTGATAACGACAACCTGTATGTGCAATGCGCCCTTATGCTAACAG  
 GAGGTTGGTGGTTGATGCCTGTGGCCCTTCCAATCTAAACGGAATGTTCTACACTGCAGGGCAAAACCA  
 TGGAAAACCTGAATGGGATAAAGTGGCACTACTTCAAAGGACCCAGTTACTCCTTACGTTCCACAACCATG  
 ATGATCCGGCCCTTGACTTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053546

**Insert Size:** 1494 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_053546.1](#), [NP\\_445998.1](#)

**RefSeq Size:** 1891 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 89807

**UniProt ID:** [O35460](#)

**Cytogenetics:** 7q31

**Gene Summary:** modulates endothelial cell survival and involved in the activation of endothelial cell-specific Tie-2 receptors [RGD, Feb 2006]