

Product datasheet for **RC224188**

ANGPTL6 (NM_031917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL6 (NM_031917) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANGPTL6
Synonyms:	AGF; ARP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC224188 representing NM_031917.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGAAGCCCTGGCTGCGTGCCTACAGCTGCTGCTCCTGCTGGGCGCGTCTGGGCGCGGGCGGGC
GCCCGCGCTGCACCTACACCTTCGTGCTGCCCGCAGAAAGTTACGGGCGCTGTGTGCTGGAGCGGC
CCCGCATCCACGCGGGGACGCCGAGGCGCCAACGCCAGCAGCTGGCGGCGCTGCGCATGCGGCTC
GGCCGCCACGAGGAGCTGTTACGCGAGCTGCAGAGGCTGGCGGCGCCGACGCGCGCTGGCCGGCGAG
GTGCGCGCTGCGCAAGGAGAGCCGCGGCTGAGCGCGCCTGGGCCAGTTGCGCGCGCAGCTGCAG
CACGAGGCGGGGCCGGGCGGGCCGGGGCGGATCTGGGGCGGAGCCTGCCGCGCGCTGGCGCTG
CTCGGGGAGCGCTGCTCAACGCGTCCGCCGAGGCTCAGCGCGCAGCCCGCGTCCACCAGCTGGAC
GTCAAGTCCGCGAGCTGGCGCAGCTCGTACCCAGCAGAGCAGTCTCATCGCCGCTGGAGCGCCTG
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CGTCTTGTGGTAGCACCAGTGACACCAGTAGGATGCTGGACCCAGCCCCAGAGCCCAGAGAGACCAG
ACCCAGAGACAGCAGGAGCCATGGCTTCTCCATGCCTGCAGGTCAACCTGCGGTCCCCACCAAGCCT
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CGAGTGGGCCGTACGTAGTGTGATGTTGAGCAGCAACTGGAGGTTGGAGGCTGGACTGTGATC
CAGCGGAGGAAGATGGTTCAGTCAACTTCTTCACTACCTGGCAGCACTAAAGCGGGCTTTGGGCGG
CCAGACGGAATACTGGCTGGGCTTGAACCCGTGTATCAGTGACCAGCCGTGGGACCATGAGCTG
CTGGTTCTCTGGAGGACTGGGGGGCGTGGAGCAGTGCCCACTATGATGGCTTCTCCCTGGAACCC
GAGAGCGACCACTACCGCTGCGGCTTGCCAGTACCATGGTGTGCTGGAGACTCTCTTCTGGCAC
AATGACAAGCCCTTCAGCACCGTGGATAGGACCGAGACTCTCTTCTGGTAAGTGTGCCCTGTACCAG
CGGGGAGGCTGGTGGTACCATGCCTGTGCCCACTCCAACCTCAACGGTGTGTGGCACCACGCGGCCAC
TACCGAAGCCGCTACCAGGATGGTGTCTACTGGGCTGAGTTTCGTGGTGGGCATATTCTCTCAGGAAG
GCCGCATGCTCATTGCGCCCTGAAGCTG
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GATGACGACGATAAGGTTTAAACGGCCGGCCGCGGT
  
```

Protein Sequence:

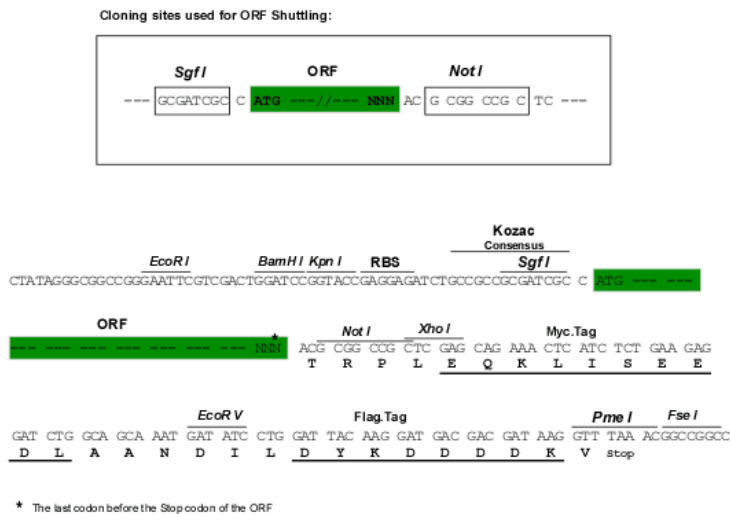
>Peptide sequence encoded by RC224188
 Blue=ORF Red=Cloning site Green=Tag(s)

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MGKPWLRALQLLLLLGASWARAGAPRCTYTFVLPQKFTGAVCWSPASTRATPEANASELAALRMRV
GRHEELRELQRLAAADGAVAGEVRALRKE SRGLSARLQQLRAQLQHEAGPGAGPGADLGAEPAAALAL
LGERVLNASAEAQRAARFHQLDVKFRCLAQLVTQSSLIARLERLCPGGAGGQQVLPVPPPLVPVVPV
RLVGSTSDTSRMLDPAPEPQRDQTRQQEPMASPMAGHPAVPTKPVGPWQDCAEARQAGHEQSGVYEL
RVGRHVSVWCEQQLLEGGWTVIQRQDGSVNFFTTQHYKAGFGRPDGEYWLGLEPVYQLTSRGDHEL
LVLLEDWGGRGARAHYDGFLEPESDHYRLRLGQYHGDAGDSLWHNDKPFSTVDRDRDSYSGNCALYQ
RGGWYHACAHSNLNGVWHHGGHYRSYQDGVYWAEFRGGAYSLRKAAMLIRPLK
TRPLEQKLISEEDL AANDILDYKDDDDKV
  
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Restriction Sites:

Sgfl-NotI

Cloning Scheme:


ACCN: NM_031917

ORF Size: 1410 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

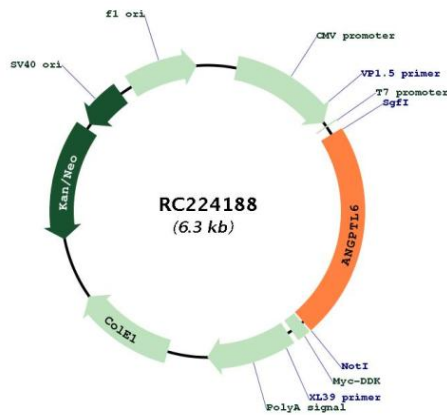
Reconstitution Method:

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_031917.3](#)

RefSeq Size:	1857 bp
RefSeq ORF:	1413 bp
Locus ID:	83854
UniProt ID:	<u>Q8NI99</u>
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, Secreted Protein
MW:	51.7 kDa
Gene Summary:	May play a role in the wound healing process. May promote epidermal proliferation, remodeling and regeneration. May promote the chemotactic activity of endothelial cells and induce neovascularization. May counteract high-fat diet-induced obesity and related insulin resistance through increased energy expenditure.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224188