

Product datasheet for **MC200784**

Angptl4 (NM_020581) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl4 (NM_020581) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Angptl4
Synonyms:	Arp4; Bk89; Fiaf; Hfarp; Ng27; Pgar; Pgarg; Pp1158
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC006611 sequence for NM_020581
 ACGGGCTCCAGATCTTCTTCTGCACCAGAGCAAGTCTAAGTCTGAGCCGGCTCCCCAGAAGTCCAGCTG
 CTGGGTCTTGAACCTCTGCGTTCGGAGTCTAGCGTTGCTGCACCCAAGGCCACCCCAAGATCATGCG
 CTGCGCTCCGACAGCAGGCGCTGCCCTGGTGCTATGCGCGGCTACTGCGGGGCTTTTGGCGCGCAAGGG
 CGCCCTGCACAGCCAGAGCCACCGCGCTTTCATCCTGGGACGAGATGAACTTGTGGCTCACGGGCTGC
 TACAGCTCGGCCATGGGCTGCGGAACACGTGGAGCGCACCCGTGGGCAGCTGGGCGCGCTGGAGCGCCG
 CATGGCTGCCTGTGGTAACGCTTGTGAGGGGCCAAGGAAAAGATGCACCCTTCAAAGACTCCGAGGAT
 AGAGTCCCTGAAGGCCAGACTCCTGAGACTCTGCAGAGTTTGCAGACTCAGCTCAAGGCTCAAACAGCA
 AGATCCAGCAATTGTTCCAGAAGGTGGCCAGCAGAGATACCTATCAAGCAGAATCTGAGAATACA
 GAATCTTCAGAGCCAGATAGACCTCTTGGCCCCACGCACCTAGACAATGGAGTAGACAAGACTTCGAGG
 GGAAAAGAGGCTTCCCAAGATGACCCAGCTCATTGGCTTACTCCCAACGCCACCCACTTACACAGGCCGC
 CCCGGGACTGCCAGAACTTCCAAGAAGGGGAGAGGCACAGTGGACTTTTCCAGATCCAGCCTCTGGG
 GTCTCCACCATTTTTGGTCAACTGTGAGATGACTTCAGATGGAGGCTGGACAGTGATTCAGAGACGCTG
 AACGGCTCTGTGGACTTCAACCAGTCTGGGAAGCCTACAAGGATGGCTTCGGAGATCCCAAGGCGAGT
 TCTGGCTGGGCTGGAAAAGATGCACAGCATCACAGGGAACCGAGGAAGCCAATTGGCTGTGCAGCTCCA
 GGACTGGGATGGCAATGCCAAATTGCTCCAATTTCCCATCCATTTGGGGGTGAGGACACAGCCTACAGC
 CTGCAGCTCACTGAGCCACGGCAATGAGCTGGGTGCCACCAATGTTTCCCCCAATGGCCTTTCCCTGC
 CCTTCTACTTTGGACCAAGACCATGACCTCCGTGGGGACCTTAACTGTGCCAAGAGCCTCTCTGGTGG
 CTGGTGGTTTTGGTACCTGTAGCCATTCCAATCTCAATGGACAATACTTCCACTCTATCCCACGGCAACGG
 CAGGAGCGTAAAAAGGGTATCTTCTGAAAAACATGGAAGGGCCGCTACTATCCTCTGCAGGCTACCACCC
 TGCTGATCCAGCCATGGAGGCTACAGCAGCCTTAGCCTCCTACTGGAGCCTGGTCCAGGCCTAAG
 AAGACAGTGACTTTGGTTGTGGCCCTGAGATTTGGCCATTCTCTGCTGGGGCAGGAGCTCAAGTAGGG
 CTATCTGCGCTCTTGTGGACAAAGAAGAAGCCCGTAACTGGAGAGACTGGAGGACCCCTTTCCGTGTTGG
 GGTCTGCAAGCATTGTTGTCTGAAACAGTCAGAGCAACAGGAAACAAATGGCCCAAGATCCAGAAAACATG
 GGCTCGAGGGGCACTGAATATCACTTCTCGCCTACCAGAGAAGTTGGGGATGCAGAGGGACCACTACAGT
 CCAACTAGCTGGGCCCTAATGGCGGACTCAGTCATATTGACTGACTGGAGACAGGGTGCCAGGAGCCCT
 GGATACACTCATGGTGTGTTGTAGGTGCTGTGGATGCACAGGTGCTAACTGTGGTTCCAGGCACAACCT
 CACAGCATTCTTACAATAAAAAACAACCTCAGAACAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_020581

Insert Size: 1233 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: [BC006611](#), [AAH06611](#)

RefSeq Size: 1869 bp

RefSeq ORF: 1233 bp

Locus ID: 57875

UniProt ID: [Q9Z1P8](#)

Cytogenetics: 17 B1

Gene Summary: Mediates inactivation of the lipoprotein lipase LPL, and thereby plays a role in the regulation of triglyceride clearance from the blood serum and in lipid metabolism (PubMed:15837923, PubMed:17609370, PubMed:29899519). May also play a role in regulating glucose homeostasis and insulin sensitivity (PubMed:15837923, PubMed:29899519). Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage (PubMed:14583458, PubMed:17130448, PubMed:21832056). Upon heterologous expression, inhibits the adhesion of endothelial cell to the extracellular matrix (ECM), and inhibits the reorganization of the actin cytoskeleton, formation of actin stress fibers and focal adhesions in endothelial cells that have adhered to ANGPTL4-containing ECM (in vitro) (By similarity). Depending on context, may modulate tumor-related angiogenesis (Probable). [UniProtKB/Swiss-Prot Function]