

Product datasheet for **MC204120**

Angptl7 (NM_001039554) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl7 (NM_001039554) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Angptl7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC023373
 GGAAAGAGTTCCATTTTCAGAATCTCTAGCTTTAAGAAAGGCTAAGCAAGCACACAGGAAGGAGATCAC
 GGGGAAGGAAGAAAACCTGCCAGTGTGGGTGAGAGAAAAGCTTCCTACTTCTCCAGGGACAGACTCTAA
 GGGGAACAGGCCCTGCACACCATGCTGAGGGAGACCTGGCTATGTGTTATCCTTGTAGCCTTTGTAGCCA
 CCCAGTGTGGCTGCAGAAAGCCTATAAACGCAAGACACAGCTCAAAGCAGCGGGCTGCTGTGAGGAGATG
 AGGGAGCTCAAAGCCCAGGTGGCCAACCTCAGCAGTCTGCTGGGAGAGCTGAGCAGGAAGCAGGAGAGCG
 ACTGGGTGAGTGTGGTCATGCAGGTGATGGAGCTGGAGAGCAGCAGCAAGCACATGGAGTCTCGGCTCAG
 CACTGCCGAGAGCAAGTACTCTGAGATGAACAACCAGATTGACATCATGCAGCTGCAGGCTGCGCAGACC
 GTCACGCAGACCTCGGCAGATGCCATCTATGACTGTTCTTCCCTGTACCAGAAGAACTACCGAATCTCTG
 GAGTGTACAAGCTTCTCCTGACGAGTTCCTGGGGAGCCCTGAGCTAGAGGTGTTCTGTGACATGGAAAC
 TTCAGGAGGAGGCTGGACCATCATCCAGAGACGTAAGAGTGGCCTTGTCTCCTTACCAAGACTGGAGA
 CAGTATAAGCAAGGGTTTGGCAGCATCCGAGGTGACTTCTGGCTGGGGAATGAACATATCCACCGGCTCA
 CCAGGCAGCCAAGCCGGCTTCGTGTGGAGCTGGAGGACTGGGAGGGCAATGCACGCTACGCAGAGTATAG
 CTACTTTGCGTTGGGCAATGAAGTGAACAGCTACCGCCTTCTTGGGGAACACAGTGGCAACGTGGGG
 AAGGACGCCCTCCTCTACCATAACAACACCGTCTTCAGCACCAAGGACAAGGACAACGACAACACTGCTTGG
 ACAAGTGCACAGCTCCGAAAAGGTGGCTACTGGTACAACCTGCTGCACAGACTCCAACCTCAATGGGGT
 GTACTACCGCCTTGGCGAGCACCAGAAAGCACATGGATGGCATCAGCTGGTATGGCTGGCATGGAGCCAAC
 TATTCCTCAAACGTGTGGAATGAAGATCCGCCAGAAAGCCTTCAAGCCCTGAGAGAAGGCAGACACTG
 AGGAGGGAGAACAGCATGGGAGGAGGAGGTGGACACAGGGTAGGAGGGAAACAGTTTATATCCAGGAGCA
 CAATATAACTTTACCTGTGTGAGCACACACACAATAGAACCACACGTGCCAACAGTGCACACTAGCAG
 ATGGAGCCAGGCGGACCCAGTGGGGCCTGCCACGGTGCCTCACGGGAGAACTCATGGACAACGGTAACCC
 TGAGGTCACTTAACCCATTTTCCCTAAGTGGGCTTAGATGACACGAGGGAAAAGAACAATAAAAACT
 GGTGTGATTTCTCAGCGGAGAGGCTGTGAGAAATGAAAGAAAGCAGGTGGTGGAGAAGGGGCTTCCAAGTC
 TTACCCCGCAGACTTCCCTTGTGTCTATAGTATTTGTTTTGTTTTCTTTTTGAGACAGGGTCTCTCTAC
 ACAGCTCTTTCTGTCTGGAACACTACTATGTAGACCAGGCTGACCTTGAACACTCACAGAGATCTACCTGCT
 TCTGCCTCCCAAGTACAGGGATTAAGGCATGTACCACCATACCCAGTATATATAATTTTTAAGACACAA
 AAAACATGGAGATAGAGAGCAGCTGCCAGGTGTCTCCGGGGGGCCTTGTGTGACAGTCTGGGGGAG
 AGAGGAGCACTGGACAACATGCTGCGGGTCTGACGTGGCGAGAACACCAGCCGGAGGTGAGCACAGACTC
 TGGGTGATCACAATACTGCCTTCAAACATCCTCAGTCAAAAACAAAAGATCCCCTTAATAAAAAATGCT
 TGGAAAATGAAGGTAGATGGCGCTGTGGTTTAAAACCTTGTGATGTATATAGAAGCATCTTCTTGTAAAA
 ATAAAATATTGTAATTCCTATTTTTCTTTTTTTACTTTTTATTAGGTATTTTCTCATTACAATTCCT
 ATTTTTCAAATATCTTTTTCTATTACAATAAATACTATCAAAATTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001039554

Insert Size: 1014 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: [BC023373](#), [AAH23373](#)

RefSeq Size: 2162 bp

RefSeq ORF: 1014 bp

Locus ID: 654812

UniProt ID: [Q8R1Q3](#)

Cytogenetics: 4 E2

Gene Summary: Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (By similarity). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).[UniProtKB/Swiss-Prot Function]