

Product datasheet for **MR205028**

Angptl7 (NM_001039554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl7 (NM_001039554) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angptl7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205028 representing NM_001039554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGGGAGACCTGGCTATGTGTTATCCTTGTAGCCTTTGTGAGCCACCCAGTGTGGCTGCAGAAGC
CTCATAAACGCAAGACACAGCTCAAAGCAGCGGGCTGCTGTGAGGAGATGAGGGAGCTCAAAGCCCAGGT
GGCCAACCTCAGCAGTCTGCTGGGAGAGCTGAGCAGGAAGCAGGAGAGCGACTGGGTCAGTGTGGTCATG
CAGGTGATGGAGCTGGAGAGCAGCAGCAAGCACATGGAGTCTCGGCTCAGCACTGCCGAGAGCAAGTACT
CTGAGATGAACAACCAGATTGACATCATGCAGCTGCAGGCTGCGCAGACCGTCACGCAGACCTCGGCAGA
TGCCATCTATGACTGTTCTTCCCTGTACCAAGAAGAACTACCGAATCTCTGGAGTGTACAAGCTTCCCTCT
GACGAGTTCCTGGGAGCCCTGAGCTAGAGGTGTTCTGTGACATGGAACTTCAGGAGGAGGCTGGACCA
TCATCCAGAGACGTAAGAGTGGCCTTGTCTCCTTCTACCAAGACTGGAGACAGTATAAGCAAGGTTTGG
CAGCATCCGAGGTGACTTCTGGCTGGGAATGAACATATCCACCGGCTCACCGAGCAGCAAGCCGGCTT
CGTGTGGAGCTGGAGGACTGGGAGGCAATGCACGCTACGCAGAGTATAGCTACTTTGCGTTGGGCAATG
AACTGAACAGCTACCGCCTTCTTCTGGGAACACAGTGGCAACGTGGGAAGGACGCCCTCTCTACCA
TAACAACACCGTCTTCAGCACCAAGGACAAGGACAACGACAACCTGCTTGGACAAGTGCACAGCTCCGA
AAAGGTGGCTACTGGTACAACCTGCTGCACAGACTCCAACCTCAATGGGGTGTACTACCGCCTTGGCGAGC
ACCGAAAGCACATGGATGGCATCAGCTGGTATGGCTGGCATGGAGCCAATATCCCTCAAACGTGTGGA
AATGAAGATCCGCCAGAACCTTCAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205028 representing NM_001039554
Red=Cloning site Green=Tags(s)

MLRETWLCVILVAFVSHPVWLQKPHKRKTQLKAAGCCEEMRELKAQVANLSSLLGELSRKQESDWVSVVM
 QVMELESSKHMESRLSTAESKYSEMNNQIDIMQLQAAQTVTQTSAIDYDCSSLYQKNYRISGVYKLP
 DEFLLGSPELEVFCDMETSGGGWTIIQRKSGLVSFYQDWRQYKQFGSIRGDFWLGNHEIHRLTRQPSRL
 RVELEDWEGNARYAEYSYFALGNELNSYRFLGNYSGNVGDALLYHNNVTFSTKDKDNDNCLDKCAQLR
 KGGYWYNCCTDSNLNGVYYRLGEHRKHMDGISWYGWHGANYSLKRVEMKIRPEAFKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039554

ORF Size: 1011 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039554.3](#)

RefSeq Size: 2063 bp

RefSeq ORF: 1014 bp

Locus ID: 654812

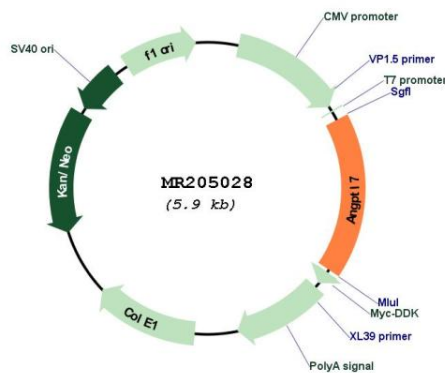
UniProt ID: [Q8R1Q3](#)

Cytogenetics: 4 E2

MW: 39.5 kDa

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]

Product images:



Circular map for MR205028