

Product datasheet for **MR207262**

Angptl3 (NM_013913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl3 (NM_013913) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angptl3
Synonyms:	hy; hyp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207262 representing NM_013913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACACAATTAATTATTCCTTTTTGTGTTTCCTTTAGTAATTGCATCCAGAGTGGATCCAGACCTTT
 CATCATTTGATTCTGCACCTTCAGAGCCAAAATCAAGATTTGCTATGTTGGATGATGTCAAATTTTAGC
 GAATGGCCTCCTGCAGCTGGGTCACTGGACTTAAAGATTTTGCCATAAGACTAAGGGACAAATTAACGAC
 ATATTTTCAAGAGCTCAACATATTTGATCAGTCTTTTTATGACCTATCACTTCGAACCAATGAAATCAAAG
 AAGAGGAAAAGGAGCTAAGAAGAACTACATCTACACTACAAGTAAAAACGAGGAGGTGAAGAACATGTC
 AGTAGAACTGAACTCAAAGCTTGAGAGTCTGCTGGAAGAGAAGACAGCCCTTCAACACAAGGTCAAGGCT
 TTGGAGGAGCAGTAACCAACTAATTCTAAGCCAGCTGGGGCTCAGGAGCACCCAGAAGTAAACATCAC
 TCAAAAGTTTTGTAGAACAGCAAGACAACAGCATAAGAGAACTCCTCCAGAGTGTGAAGAACAGTATAA
 ACAATTAAGTCAACAGCACATGCAGATAAAAGAAATAGAAAAGCAGCTCAGAAAGACTGGTATTCAGAA
 CCCTCAGAAAATTCCTTTCTTCTAAATCAAGAGCACCAAGAAGCTACTCCCTCTTCAACTGAACGAAA
 CAGAAAATACAGAACAAGATGACCTTCTGCCGACTGCTCTGCCGTTTATAACAGAGGCGAACATACAAG
 TGGCGTGTACACTATTAACCAAGAAACTCCCAAGGGTTAATGTCTACTGTGATACCCAATCAGGCAGT
 CCATGGACATTAATCAACACCGGAAAGATGGCTCACAGGACTTCAACGAAAACATGGGAAAACACTAGAAA
 AGGGCTTTGGGAGGCTCGATGGAGAATTTTGGTTGGGCCCTAGAGAAGATCTATGCTATAGTCCAACAGTC
 TAACTACATTTTACGACTCGAGCTACAAGACTGGAAGACAGCAAGCACTACGTTGAATACTCCTTTTAC
 CTGGGCAGTCACGAAACCAACTACACGCTACATGTGGCTGAGATTGCTGGCAATATCCCCGGGCCCTCC
 CAGAGCACACAGACCTGATGTTTTCTACATGGAATCACAGAGCAAAGGGACAGCTCTACTGTCCAGAAAG
 TTACTCAGGTGGCTGGTGGTGAATGACATATGTGGAGAAAACAACCTAAATGGAAAATACAACAACCC
 AGAACCAATCCAGACCAGAGAGAAGAAGGGATCTACTGGAGACCTCAGAGCAGAAAGCTCTATGCTA
 TCAATCATCAAAATGATGCTCCAGCCACCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207262 representing NM_013913
 Red=Cloning site Green=Tags(s)

MHTIKLFLFVPLVIASRVDPDLSSFDSAPSEPKSRFAMLDVVKILANGLLQLGHGLKDFVHKTKGQIND
 IFQKLNIFDQSFYDLSLRTNEIKEEEKELRRTTSTLQVKNEEVKNMSVELNSKLESLLLEEKALQHKVRA
 LEEQLTNLILSPAGAQEHPVTSLSKSFVEQQDNSIRELLQSVVEEQYKQLSQQHMQIKEIEKQLRKTGIQE
 PSENSLSSKSRAPRTTPPLQLNETENTEQDDLPADESAVYNRGEHTSGVYTIKPRNSQGFNVYCDTQSGS
 PWTLIQHRKDGSDQFNETWENYKGFGRLDGEFWLGLEKIYAIIVQQSNYILRLELQDWKDKSKHYVEYSFH
 LGSHTNYTLHVAEIAGNIPGALPEHTDLMFSTWNHRAKQLYCPESYSGGWWWNDICGENNLNGKYNKP
 RTKSRPERRRGIYWRPQSRKLYAIKSSKMLLQPTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_013913

ORF Size: 1365 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.

RefSeq: [NM_013913.1](#), [NM_013913.2](#), [NM_013913.3](#), [NM_013913.4](#), [NP_038941.1](#)

RefSeq Size: 1605 bp

RefSeq ORF: 1368 bp

Locus ID: 30924

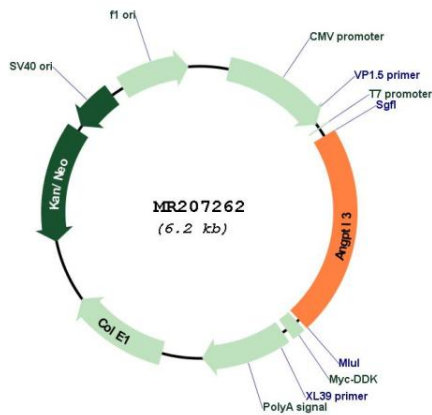
UniProt ID: [Q9R182](#)

Cytogenetics: 4 45.6 cM

MW: 53 kDa

Gene Summary: This gene encodes a member of the angiopoietin-like family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, which may inhibit triglyceride metabolism. Homozygous knockout mice for this gene exhibit reduced plasma lipid concentrations, including reduced plasma triglyceride concentrations, and enhanced activity of enzymes involved in triglyceride metabolism. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR207262