

Product datasheet for **MG219970**

Angptl2 (NM_011923) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl2 (NM_011923) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Angptl2
Synonyms:	AI593246; Arp2; AW260363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219970 representing NM_011923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCACTGTGTATGACCTACTGGTGGCTTGACTGCTGGCCACGGTCGGAGCTGCTACAGGCCAG
 AGGCTGACGTTGAGGGCACAGAGGATGGTTCACAGAGAGAGTACATTTACCTCAACAGGTACAAGCGGGC
 AGGTGAGTCCCCGACAAGTGCACCTACACTTTTATTGTGCCACGACGGGTACAGGTGCCATTTGT
 GTCAACTCCAAGGAGCCTGAGGTGCACCTGGAGAACCCTGTGCACAAGCAGGAGCTGGAGCTGCTCAACA
 ATGAGCTGCTTAAGCAGAAGCGGCAGATCGAGACGCTGCAGCAGCTGGTAGAGGTAGACGGAGGCATCGT
 GAGCGAGGTGAAGCTGCTGCGCAAGGAGAGCCGCAACATGAACTCGAGAGTCACGCAGCTGTACATGCAA
 CTTCTACATGAGATCATTGAAAGCGAGACAATGCGCTGGAGCTCTCCAGCTGGAGAACAGGATCTGGA
 ACCAGACAGCTGACATGCTGCAGCTGGCTAGCAAGTACAAGGACCTGGAGCACAAGTTCCAGCACCTGGC
 TATGCTGGCACACAACCAATCAGAGGTCATTGCTCAGCTCGAAGAGCACTGCCAACGCGTACCTGCAGCC
 AGGCCTATGCCCCAGCCACCCAGCAGCTCCACCTCGGGTCTACCAACCACCCACTACAACCGCATCA
 TCAACCAGATTTCCACCAATGAGATCCAGAGTGACCAGAATCTGAAGGTGCTGCCGCCCTCTTGCCAC
 CATGCCTGCCCTTACCAGTCTCCCATCTTCCACTGATAAGCCATCAGGTCCATGGAGAGACTGCCTGCAA
 GCCCTGGAAGATGGTCACAGCACCAGCTCCATCTACCTGGTGAAGCCTGAGAATACCAACCGCCTGATGC
 AGGTGTGGTGTGACCAGAGACATGACCCGGAGGTTGGACTGTATCCAGAGACGCTGGATGGCTCTGT
 CAACTTCTCAGGAAGTGGGAGACCTATAAGCAAGGGTTGGGAACATCGATGGTACTGGCTGGGCTG
 CTGGAGAACATCTACTGGCTGACGAACCAAGGCAACTACAACCTGCTGGAACCATGGAGGACTGGTCTG
 GCCGTAAGTCTTTGCTGAGTATGCCAGTTTCCGACTGGAGCCAGAAAGCAGTACTATAAGCTCGGGC
 GGGCGTTATCATGGCAATGCAGGCGACTCTTTACCTGGCACAACGGCAAACAGTTTACCACCCCTGGAC
 AGGGACCATGATGCTACACAGGAACTGTGCCACTATCAGAAGGGAGGATGGTGGTATAACGCCTGTG
 CTCACTCCAACCTCAATGGGGTCTGGTACCGTGGGGGCCATTACCGGAGCAGATACCAGGACGGGTCTA
 CTGGGCTGAGTCCGAGGAGGCTCTTACTCACTCAAGAAGGTGGTATGATTGCGCCCAACCCCAAC
 ACCTTCCAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAA

Protein Sequence:

>MG219970 representing NM_011923
 Red=Cloning site Green=Tags(s)

MRPLCMTYWLLGLLATVGAATGPEADVEGTEDGSQREYIYLNRYKRAGESPDKCTYTFIVPQQRVTGAIC
 VNSKEPEVHLENRVHKQLELLNELLKQKRQIETLQQLVEVDGGIVSEVKLLRKESRNMNSRVTLQYMQ
 LLHEIIRKRDNALELSQLENRILNQTADMLQLASKYKDLEHKFQHLAMLAHNQSEVIAQLEEHCQRPAA
 RMPQPAPPAAPRVYQPPTYNRIINQISTNEIQSDQNLKVLPPSLPTMPALTSLSSTDKPSGPWRDCLQ
 ALEDGHSTSSIYLVKPNENTRLMQVWCDQRHDPGGWTVIQRRLDGSVNFRRNWETKQGFNIDGEYWLG
 LENIYWL TNQGNKLLVTMEDWSGRKVF AEYASFRLEPESEYKLRRLGRYHGNAGDSFTWHNGKQFTTLD
 RDHDVYTGNAHYQKGGWYNACAHSNLNGVWYRGGHYRSRYQDGVYWAEFRGGSYSLKVVMMIRPNPN
 TFH

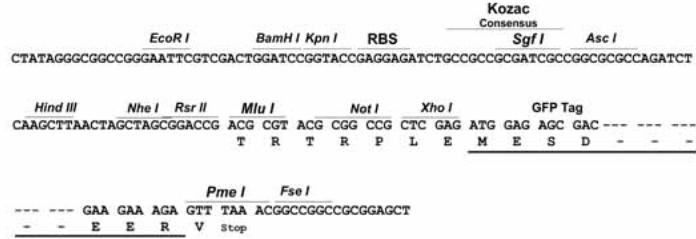
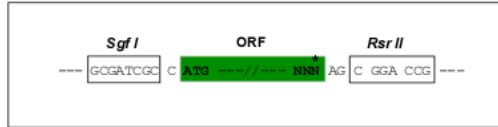
SGP**TRRRLE** – GFP Tag – V

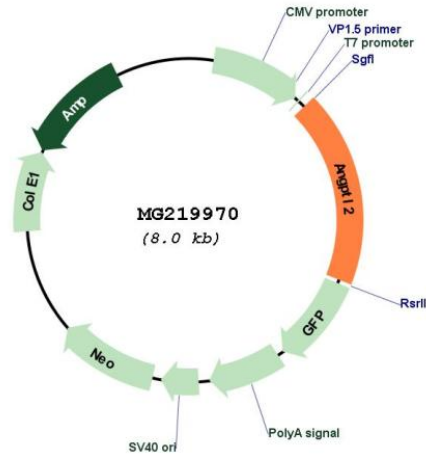
Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_011923

ORF Size: 1479 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_011923.4](#), [NP_036053.2](#)

RefSeq Size: 3444 bp

RefSeq ORF: 1482 bp

Locus ID: 26360

UniProt ID: [Q9R045](#)

Cytogenetics: 2 B

Gene Summary: Induces sprouting in endothelial cells through an autocrine and paracrine action.
[UniProtKB/Swiss-Prot Function]