

Product datasheet for **RG220347**

Angiomotin (AMOT) (NM_133265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angiomotin (AMOT) (NM_133265) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Angiomotin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG220347 representing NM_133265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTCGGGCTCAGCCATCCTCTGCTTCTTATCAGCCAGTGCCAGCAGACCCTTTTGCATTGTTTCCA
 GAGCCCAGCAGATGGTTGAGATCCTCTCAGACGAGAACCAGAACTTGAGGCAAGAGTTGGAAGGATGCTA
 TGAGAAGGTGGCAAGACTGCAGAAGGTGGAGACAGAAATCCAGCGCGTCTCGGAGGCATATGAGAACCTC
 GTGAAGTCATCCTCCAAAAGAGAGGCCCTAGAGAAAGCCATGAGAAAAGCTAGAGGGCGAGATTCGGA
 GGATGCATGATTTCAACAGGGATCTGAGAGAGCGTCTAGAGACTGCCAACAGCAGCTTGACAGAGAAGGA
 ATATGAGGGGTGAGAGGACACCAGAAAACCATCTCGCAGCTCTTTGCAAAAAATAAAGAAAAGCCAGCGT
 GAGAAGGAGAAGCTGGAAGCGGAGCTGGCCACTGCCCGTTCTACCAATGAGGACCAAGACGACACATCG
 AAATCCGAGATCAGGCCCTGAGTAATGCCAGGCCAAGGTGGTAAAGCTGGAAGAAGAGCTGAAAAAGAA
 GCAAGTGTACGTTGACAAGGTGGAGAAGATGCAGCAGGCCCTTGTACAGCTCCAGGCAGCATGTGAAAAA
 CGTGAGCAGCTAGAGCACCGTCTCCGGACACGACTGGAGAGGAACTGGAATCCCTGAGAATCCAGCAGC
 GTCAGGGCAACTGTCAGCCCACCAACGTTTCAGAATACAATGCTGCTGCACTGATGGAGCTCCTTCGGGA
 GAAAGAGGAGAGGATTCTGGCTCTGGAAGCTGATATGACAAAAGTGGGAGCAGAAATTTGGAGGAGAAT
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 GGCCAGCGAAGTCTCTGATGTCCATTTCCAATGCTGGATCAGGCTTGCTCTCCACTCATCCACCCTGAC
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 CTCACTCCAAGACAGGCAGCCGAGACTGCAGTACCCAACTGAACGTGGGACGGAATCGAACAAAAGTGC
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 GCTGCCACCATCACCACCACCATGGTAGCTGCTGCTCCAGTTGCTGTTGCTGCTGCTGCTGCTGCTGCTG
 CTGCTGCTGCCCCGCTCCAGCCACTGCCGCTGCTACTGCTGCTGCTGTTTCTCCAGCTGCTGCTGGTCA
 GATTCCAGCTGCTGCCTCTGTTGCCTCAGCTGCTGCCGTTGCTCCTTCTGCTGCTGCTGCTGCTGCTGTT
 CAGGTTGCTCCAGCTGCTCCGGCTCCAGTTCCAGCTCCGGCTCTGTTCCGGTCCAGCTCCAGCAGCGG
 CTCAGGCTTCTGCTCCTGCTCAGACTCAGGCACCAACTTCAGCTCCGGCTGTGGCTCCAACCTCCAGCTCC
 AACTCCAACCTCCAGCTGTGGCTCAGGCTGAGGTTCTCCTGCAAGTCCAGCTACCGGTCCTGGACCACAT
 CGTTTGTCTATACCAAGTTTGACCTGCAATCCAGACAAAACAGATGGGCCTGTGTTCCACTCCAATACTC
 TGGAAAGAAAAGTCCCATTAGATCCTGGGACAAGAGCCTGATGCAGAGATGGTGAATATCTCATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220347 representing NM_133265
Red=Cloning site Green=Tags(s)

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MPRAQPSSASYQVPADPFAIVSRAQQMVEILSDENRNLRQELEGYKVARLQKVETEIQRVSEAYENL
VKSSSKREALEKAMRNKLEGEIRRMHDFNRDLRERLETANKQLAEKEYEGSEDTRKTIISQLFAKNKESQR
EKEKLEAELATARSTNEDQRRHIEIRDQALSNAQAKVVKLEELKKKQVYVDKVEKMQQALVQLQAACEK
REQLEHRLRTRLERELESRLIQQRQGNCOPTNVSEYNAALMELLREKEERILALEADMTKWEQKYLEEN
VMRHFALDAAATVAAQRDITVISHSPNTSYDTALEARIQKEEEEEILMANKRCLDMEGRIKTLHAQIEKD
AMIKVLQQRSRKEPSKTEQLSCMRPAKSLMSISNAGSGLLSHSSTLTGSPIMEEKRDDKSWKGLGILLG
GDYRAEYVPSTSPVPPSTPLLSAHSKTGSRDCSTQTERGTESNKTAAVAPISVPAPVAAAAATAAATAT
AATITTTMVAAPVAVAAAAAPAAAAAPSPATAAATAAVSPAAAGQIPAAASVASAAVAPSAAAAAAV
QVAPAAPVPAPALVPVPAPAAAQASAPAQTSAPAVAPTAPTPTPAVAQAEVPPASPATGPGPH
RLSIPSLTCNPKTDGPFVHNSLTERKTPIQILGQEPDAEMVEYLI
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133265

ORF Size: 2028 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_133265.2](#), [NP_573572.1](#)

RefSeq Size: 6514 bp

RefSeq ORF: 2028 bp

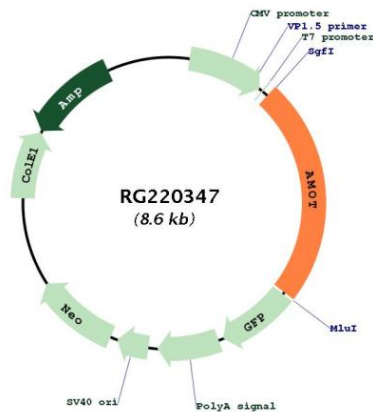
Locus ID: 154796

UniProt ID: [Q4VCS5](#)

Cytogenetics: Xq23

Gene Summary: This gene belongs to the motin family of angiotonin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiotonin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG220347