

Product datasheet for **MG207841**

Angptl1 (NM_028333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl1 (NM_028333) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Angptl1
Synonyms:	2810039D03Rik; ANG3; ANGPT3; ANGY; ARP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207841 representing NM_028333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCTTTTGTGGACCCTAAGTGTACTACTCTTCTACTGGGCAGTGGTCATTGCCAAAGGAGGAC
 AACTCAAATAAAAAAAAAATAACCCAAAGGAGATATCCCGTGCTACTGATGGGAAAGAGGAAAGCAAAGAA
 ATGTTTCATATACATTCTTGGTACCTGAACAAAAATAACAGGGCCAATCTGTGTCAAACCAAAGGTCAG
 GATGCAGGCACTATTAAGGACATGATCACCAGGATGGACCTGGAGAACCTCAAGGATGTGCTGTCTAGGC
 AGAAGCGGGAGATAGATGTCTGCAGCTGGTGGTATAGTGTGGACGGGAACATTGTAACGAGGTGAAGCT
 GCTGAGAAAGGAAAGCCGGAACATGAATCCAGAGTCACGCAGCTCTACATGCAGCTACTACATGAGATC
 ATCCGTAAGAGACAATCACTCGAATTTCCAGCTGGAAAACAAAATCCTCAATGTCACCACAGAAA
 TGCTGAAGATGGCAACAAGGTACAGGGAGCTAGAGGTGAAGTATGCGTCCTTGACGGATCTGTCAATAA
 CCAGTCTGTGACGATCACTGTATTGGAAGAGCAGTGCCTGAGGATGTTTTCCCGACAAGACCCCCACGCG
 TCTCCCCCTCTTGTCCAGGTGGTACCGGACACAGTCTAACAGCCACCACTACACCCCTGGTCTGCTGG
 GAGGCAATGAGATACAGAGGGACCCAGGTTACCCAGAGACGTAATGCCACCACCTGATCTGCCAACAGC
 TCCCACGAAAAGCCCTTTCAAGATTCAGCAGTGACTTTTCATCAATGAAGGACCATTCAAAGACTGTGAG
 CAAGCAAAGGAAGCTGGACACTCAGCCAGTGGAATTTACATGATTAACCTGAAAACAGCAACGGTCTGA
 TGCAGTTATGGTGTGAGAACAGTTTGGATCCTGGGGTTGGACTGTTATTCAGAAAAGAACAGATGGCTC
 TGCAATTTCTCAGAACTGGGAAAATTATAAGAAAGGGTTTGGAAACATTGATGGAGAGTACTGGCTT
 GGACTGGACAATATCTACAAGCTTAGTAATCAAGACAATTATAAGCTGATGATTGAACTAGAAGACTGGA
 CGGAGAAGAAGTCTATGCAGAATACAGCAGCTTTCGCTGGAGCCCGAAAGTACTACAGACTGAGCTG
 CCTGGGGACGTACCAGGGGAATGCTGGGACTCTATGATGTGGCATAATGGTAAACAGTTACACAGCTG
 GACAGAGATAAAGATACGTACACAGGAACTGCGCCCACTTCATAAAGGAGGCTGGTGGTACAACGCCCT
 GTGCACACTCTAACCTCAACGGAGTATGGTACAGAGGTGGTCATTACAGAAGCAAGCACCAAGATGGCAT
 TTTCTGGGCTGAATACAGAGGGGGTCTACTCCTGAGGGCAGTACAGATGATGATCAAGCCTATTGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207841 representing NM_028333
 Red=Cloning site Green=Tags(s)

MKAFVWTLVLLFLLGSGHCKGGQLKIKKITQRRYPRATDGKKEAKKCSYFLVPEQKITGPICVNTKGG
 DAGTIKDMITRMDLENLKDVL SRQKREIDVLQL VVDVDGNI VNEVKLLRKE SRNMNSRVTL YMQLLHEI
 IRKRDNLSLELSQLENKILNVTTEMLKMATRYRELEVKYASL TDL VNNQSVTITVLEEQLRMFSRQDPA
 SPPLVQVPRHSPNSHQYTPGLLGGNEIQRDPGYPRDVMPPDLPTAPTKSPFKIPAVTF INEGPFKDCQ
 QAKEAGHSASGIYMIKPENSNGLMQLWCENSLDPGGWTVIQKRTDGSVNF FRNWENYKKGFGNIDGEYWL
 GLDNIYKLSNQDNYKLMIELEDWSEKKVYAEYSSFRLEPESDYRLRLGTYQGNAGDSMMWHNGKQFTTL
 DRDKDITYGNCAHFHKGGWYNACAHSNLNGVWYRGHYRSKHQDGI FWA EYRGGSYSLRAVQMMIKPID

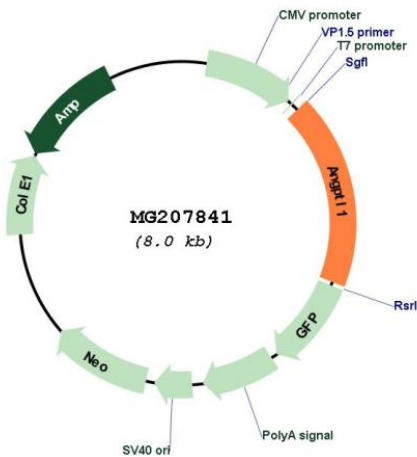
SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


Plasmid Map:

ACCN: NM_028333

ORF Size: 1470 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_028333.2](#), [NP_082609.2](#)

RefSeq Size: 2208 bp

RefSeq ORF: 1473 bp

Locus ID: 72713

UniProt ID: [Q640P2](#)

Cytogenetics: 1 G3