

Product datasheet for **MR207841**

Angptl1 (NM_028333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angptl1 (NM_028333) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angptl1
Synonyms:	2810039D03Rik; ANG3; ANGPT3; ANGY; ARP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207841 representing NM_028333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGCTTTTGTGGACCCTAAGTGTACTACTCTCTACTGGGCAGTGGTCATTGCAAAGGAGGAC
 AACTCAAATAAAAAAAAAATAACCCAAAGGAGATATCCCGTGCTACTGATGGGAAAGAGGAAGCAAAGAA
 ATGTTCATATACATTCTTGGTACCTGAACAAAAATAACAGGGCAATCTGTGTCAACACCAAAGGTCAG
 GATGCAGGCACTATTAAGGACATGATCACCAGGATGGACCTGGAGAACCTCAAGGATGTCTGTCTAGGC
 AGAAGCGGGAGATAGATGTCCTGCAGCTGGTGGTAGATGTGGACGGGAACATTGTAACGAGGTGAAGCT
 GCTGAGAAAGGAAAGCCGGAACATGAACTCCAGAGTCACGCAGCTCTACATGCAGCTACTACATGAGATC
 ATCCGTAAGAGACAATTCCTCGAACTTTCCAGCTGGAAAACAAAATCCTCAATGTCACCACAGAAA
 TGCTGAAGATGGCAACAAGGTACAGGGAGCTAGAGGTGAAGTATGCGTCCTTGACGGATCTTGCAATAA
 CCAGTCTGTGACGATCACTGTATTGGAAGAGCAGTGCCTGAGGATGTTTTCCCGACAAGACCCACGCG
 TCTCCCTCTTGTCCAGGTGGTACCGGACACAGTCCAAACAGCCACCAGTACACCCCTGGTCTGCTGG
 GAGGCAATGAGATACAGAGGGACCCAGGTTACCCAGAGACGTAATGCCACCACCTGATCTGCCAACAGC
 TCCACGAAAAGCCCTTTCAAGATTCAGCAGTGACTTTCATCAATGAAGGACCATTCAAAGACTGTCAG
 CAAGCAAAGGAAGCTGGACACTCAGCCAGTGGAAATTTACATGATTAACCTGAAAACAGCAACGGTCTGA
 TGCAGTTATGGTGTGAGAACAGTTTGGATCCTGGGGTTGGACTGTTATTCAGAAAAGAACAGATGGCTC
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 GACAGAGATAAAGATACGTACACAGGAACTGCGCCACTTCCATAAAGGAGGCTGGTGGTACAACGCT
 GTGCACACTCTAACCTCAACGGAGTATGGTACAGAGTGGTATTACAGAAGCAAGCACCAAGATGGCAT
 TTTCTGGGCTGAATACAGAGCGGGTCTACTCCTTGAGGGCAGTACAGATGATGATCAAGCCTATTGAC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

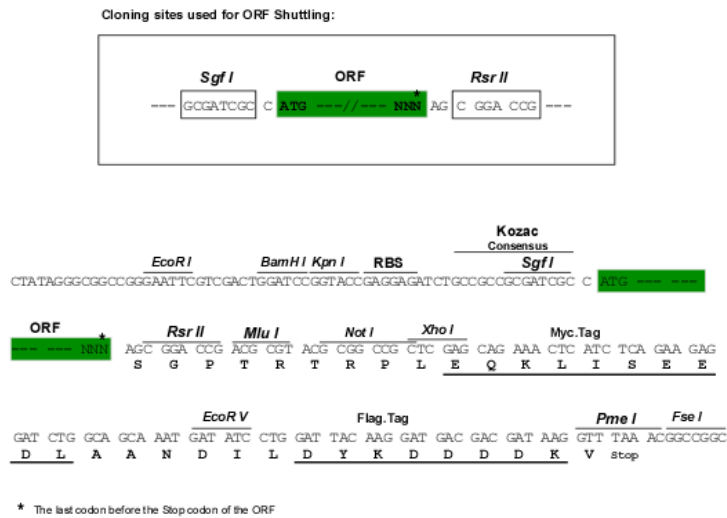
>MR207841 representing NM_028333
 Red=Cloning site Green=Tags(s)

MKAFVWTLVLLFLLGSGHCKGGQLKIKKITQRRYPRATDGKEEAKKCSYTFVPEQKITGPICVNTKGO
 DAGTIKDMITRMDLENLKDVL SRQKREIDVLQLVVDVDGNIVNEVKLLRKESRNMNSRVTLQYMQLLHEI
 IRKRDNSLELSQLENKILNVTTEMLKMATRYRELEVKYASLTDLVNNQSVTITVLEEQLRMFSRQDPA
 SPPLVQVVRHSPNSHQYTPGLLGGNEIQRPDGYPRDVMPPDLPTAPTKSPFKIPAVTFINEGPFKDCQ
 QAKEAGHSASGIYMIKPENSNGLMQLWCENSLDPGGWTVIQKRTDGSVNFVRNWNENYKKGFGNIDGEYWL
 GLDNIYKLSNQDNYKLMIELEDWSEKKVYAEYSSFRLEPESDYYRLRLGTYQGNAGDSMMWHNGKQFTTL
 DRDKDITYGNCAHFHKGWYNAHNSNLNGVWYRGGHYRSKHQDGFWAEYRGGYSLSRAVQMMIKPID

SGPTRRRLE**QKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


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

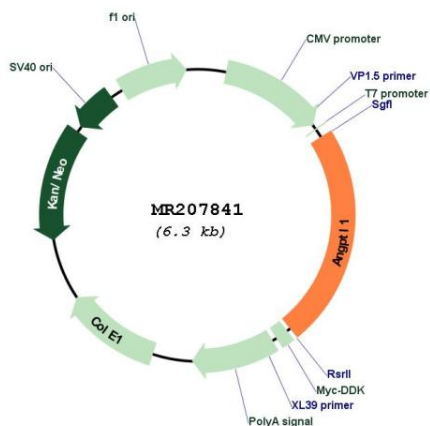
RefSeq ORF: 1473 bp

Locus ID: 72713

UniProt ID: [Q640P2](#)

Cytogenetics: 1 G3
 MW: 56.8 kDa

Product images:



Circular map for MR207841