

Product datasheet for **RR211203**

Angel1 (NM_001108717) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angel1 (NM_001108717) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angel1
Synonyms:	RGD1306238
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR211203 representing NM_001108717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGCGTCGTGCCTATATTACCTGCTGCTGCCGGCCGCGCCTCTCCGCTTCTCTCAGATGCTT
 TCTTTACATGTCGAAAAATGCCCTTCTGGCGAAGAGCTCGTCCCCCAGGTAGAGGGTAACTTTGCCAT
 GGCCCTCGGGGCTGACCAAGAGGAGTGTGAGGCCTGCTTCAGCAGTGGCGAGAAGAAGGGTGAAC
 CAGACTCTCAACTGCAAGTGAGGCTCTTGCAGATAAGGGACTGGCTGAGAGCAGCTGGCCCTCC
 TGATGGATAACTCTGGAGAACAGGACTGCCTCGGAGGACAAGTGGTCCAGCAGGCAGCTGAGTGACCT
 TCGGGCAGCGACAACCTGGACCAGCTTTCCCTGAGGTGCTAGGGGAGGAACCTCTGGCCGAGGATGAG
 GGTCTTTGTGGCAGCTGTTCCCGTACAGACAGGGCCCCAGTATGCAGACTGTGCTGTTCTCCCAATGG
 GTGCAATGGCTGCAGAACATGGGAAGAGGACCCTGCAATGGTGGCTGGAGCATAGCACGGAGCCTAT
 GCCCCAGGAAGAGACTTCCATGTGGCCCTTGAAGGCCTGGAACAGCTGCAGCTCCCCCAATGGAATA
 CCTTATCATGAAATCCTGTGGCGAGAATGGGAGGATTTCTCCACGCAGCCAGATGCTCAGGGTCTGGAGG
 CAGGAGATGGCCCTCAGTTCAGTTCACCTCTGATGTCGATAATATCCTGGCCCAGGATCTGATGCAGCA
 GAGCTCAGAGCTCTATCTGCATTGCCATCCAGACATCCTCAACTGGAATTACCGCTTTGCCAACCTCATG
 CAGGAATCCAGCACTGGGACCCGGATATCCTGTGCCTTCAGGAAGTCCAGGAAGACCATTACTGGGAGC
 AGCTGGAGCCCTCTGCGGATGATGGGCTTCACTGTTTTACAAGAGGAGGACTGGGTGTAAACGGA
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 CCTGGGTTGGAGCTCCTCAATCGGGACAATGTGGGCTTAGTGTGCTGCTGCAGCCGCTGGTGCCAGAAG
 GTCTGGGCAAGTCTCAGTGGCTCCCCTGTGTGGCAAATACCCATGTCCTGTACAACCCACGTCGGGG
 TGATGTCAAGCTGGCCCAGATGGCCATTCTTCTGGCCGAGGTGGACAAGGTGGCCAGGTTGTCAGATGGC
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 GGGATGGAGAGCTCCAGTACAATGGGATGCCAGCCTGGAAGGTTTCTGGACAGGAAGACTTCTCTCATCA
 GCTTTACCAGAGGAAGCTGCAGGCCCATTTGTGGCCAGCTCCCTGGGCATCACTGATTGCTGTCAATAT
 GTCACCTCTGTCATCCAAGAGATCAGAGAGACTAAAAATGGCCGAGACTTCTACTACGATTCCGCT
 TCTGCGACCTCGCTTGTGAGGACAGTAGGACTGGTTCTCATGGAAGGAGTGACAGACACTAAGCCAGA
 TCGACCTGCTGGTTGGCCGAGTGTATCTTTGAGGAAGAGATATCTGAACCTTGAGCTGTCTCCCCAGG
 ACTATAGGCACCATCCAGCACTGCCTCCACCTGACCTCAGTATATACCCATTTCTGCCCCAGCAGCGCC
 GCCCGGAGGTACGACGATGCCCTTAGGTCTTGGGATGACAGTGGATTACATTTTTTCTCAGCTGAGTC
 CTGTGAGAATGAGAACAGAAGTGATCACAGGTTGGATCGAGATGGAACCTCAAGCTCCTGGGCCGCTC
 TCCTCTCTCTGAAGAGATTCTCTGGGCGGCCAATGGCTTGCCCAACCCGTTCTACTCTCAGACCATC
 TCTGTTGCTTGGCAGCTTCGGCATGGAAGTCACTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211203 representing NM_001108717
Red=Cloning site Green=Tags(s)

MIASCLYLLPAARLFRFLSDAFFTCKRNALLAKSSSPQVEGNFAMAPRGPDQEECEGLLQQWREEGWN
 QTLSTASEGPLADKGLAESSLALLMDNSGEQDTASEDKWSSRQLSDLRAADNLDQPFPEVLGEEPLAEDE
 GPLWAAVPVQTGPQYADCAVLPMGAMAAEQWEEDPAMVAWSIAPEPMPQEETSMWPFEGLEQLQPPPEI
 PYHEILWREWEDFSTQPDAAQGLEAGDGPQFQFTLMSYNILAQDLMQQSSELYLHCHPDILNWNRYRANLM
 QEFQHWDPDILCLQEVDHYWEQLEPSLRMMGFTCFYKRRTGCKTDGCAVCYKPTRFRLLCASPVEYFR
 PGLELLNRDNVGLVLLLQPLVPEGLGQVSVAPLVCVANTHVLNPRRGDVKLAQMAILLAEVDKVARLSDG
 SHCPIILCGDLNSVPDSPLYNFIRDGELQYNGMPAWKVSQGEDFSHQLYQRKLQAPLWSSLGITDCCQY
 VTSCHPKRSERLKYGRDFLLRFRCDLACQRPVGLVLMGVTDTKPDRPAGWAECIFEEEISELEPVFPR
 TIGTIQHCHLHTSVYTHFLPQHGRPEVTTMPLGLGMTVDYIFFSAESCENENRSDHRLDRDGLKLLGRL
 SLLSEEILWAANGLPNPFYSSDHLCLLASFGMEVTAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108717

ORF Size: 2001 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_001108717.1](#), [NP_001102187.1](#)

RefSeq Size: 3790 bp

RefSeq ORF: 2004 bp

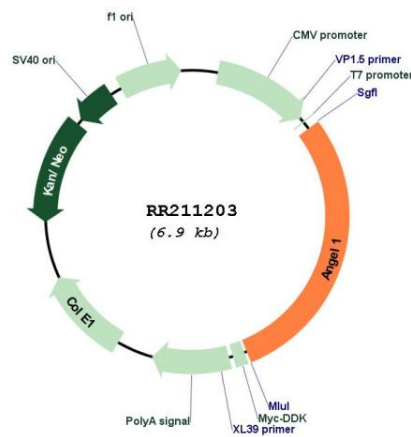
Locus ID: 362765

UniProt ID: [B2RYM0](#)

Cytogenetics: 6q31

MW: 75.3 kDa

Product images:



Circular map for RR211203