

Product datasheet for **RR213928**

Angel2 (NM_001135119) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Angel2 (NM_001135119) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Angel2 |
| Synonyms: | RGD1305056 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR213928 representing NM_001135119
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCCCTATCCTCTAAAGAGTTTGGGTCGAGACTGGACCACGCCGTGGGAGGATCTGCAGAAATATT
 GCTGGCGCAGACATTTCCAGTTGTCTGAGGTGGCCAGGACATTACTCACGGGCACCTTACCCATACTT
 CAGTAGCCGGCATTCTCATTGAACTGTAGACCGCTTTTCTGTTTGAGTCTGGGACTCAGTTTCAGTAC
 TACAATTGGAGGCCTGACCAACTGAGTAATACATCCTTGTTCATCTCTCTCGTTACGTGATGAACTCTG
 ACAGAGATGAGCCCTCATCTAAACGAAGAAAACACCAAGGAACAATAAAAAGGAGTTGGGAGTATTTATG
 TAGCCATAATAAAGAGAAAACGAAGGACCTAGAAGACAGAAATGGTGACTCCACATGTGAGGACTGTGAA
 GATAAGTTTGACTTCTCAGTGATGTCTTACAACATACTCTCGCAGGAGTTACTGGAGGACAACCTCGCACC
 TCTACAGACATTGCCGACGCCAGTGTACTGAGTTCGGTTTCCCAATATTTTGAAGGAAATCAA
 ACATTTTGATGCTGATGTCTTTGTCTACAGGAAGTTCAAGAAGATCATTACGGGACAGAGATCAGGCCA
 AGTCTGGAATCACTGGGTTATCACTGTGAATATAAGATGAAAACAGGAAGGAAACCCGATGGTTGTGCCA
 TCTGCTTCAAACATTCCAAGTTCTCACTCTTATCTGTGAACCCAGTGGAGTTCTGCCGCCGTGATATTCC
 TCTGTTGGACAGAGACAACATTGGATTGGTTTTACTCCTCGACGCTAAGATCCCACGTGCTGCCTCTCCA
 TCCATCTGCATAGCTAACACACATCTGTTGTATAACCCACGGCGCGGTGATTAAGCTGACCCAGCTGG
 CAATGCTGCTAGCAGAGATTTCCAATGTGGCCATCAGAAAGATGGCAGCTTCTGTCCCATTGTCATGTG
 TGGTGACTTTAATTCTGTCTCTGGTTCTCCACTTACAGTTTCATAAAGGAAGGAAAATTAATTTATGAA
 GGTCTTGGCATTGGAAAGGTATCTGGCCAGGAACAGTCTTACGGGGACAAGAATTTTATCTATTCCAA
 TTTGGCCCCAAACCTAGGCATCTCTCAGAATGTGTTTATGAGGCACAGCAGGTTCCCAAAGTAGAAAA
 GACAGACAGTGATGTGACTCAAGCACAGCAGGAGAAAGCAGAGGTCCAGTGCCAGCTGACAAAGTGCTC
 TCACATCTGCAGCATGGCTTCAGCTTGTCTCTGCTATTCCATTATGTTCTGACACTGGCGTCCAG
 AGGTGACCACCTGCCATTCGGAAGTGCCATAACAGTCTGACTACATTTTCTACTCTGCAGAGAAGGACGA
 CACTGCTCGTGGTCCAGGAGCTGAAGTTGCTTTGGTTGGTGGCTTGAACCTCTAGCTAGACTGTCACTT
 CTGACAGAACAAGACTTGTGGACTGTGAATGGCCTTCCCAATGAGCACAACCTCTCAGACCACCTGCCTT
 TGCTGGCCAAGTTCAGGCTTGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213928 representing NM_001135119
 Red=Cloning site Green=Tags(s)

MLPYPLKSLGRDWTTPWEDLQKYCWRRISSCLRWPGHYSRAPYPYFSSRHFSLNCRPPFLFESGTQFQY
 YNWRPDQLSNTSLFHLSTRYVMNSDRDEPSSKRRKHQGTIKRSWEYLC SHNKEKTKDLEDNRNGDSTCEDCE
 DKFDFSVMSYNILSQELLEDNHLYRHCRPVLHWSFRFPNILKEIKHFDADVLCLQEVEDHYGTEIRP
 SLES LGYHCEYKMKTGKRPDGC AICFKHSKFSLLSVNPVEFCRRDIPLDRDNIGLVLLLPKIPRAASP
 SICIANTHLLYNPRRGDIKLTQLAMLLAEISNVAHQKDGFSFCPIVMCGDFNSVPGSPLYSFIKEGKLNYE
 GLAIGKVSQEQSSRGRILSIPWPPNLGISQNCVYEAQQVPKVEKTDSDVTQAQQEKAIEVVPADKVS
 SHLQHGFSLSVYSHYVPTDGVPEVTTCHSRSAITVDYIFYSAEKDDTARGPGAIEVALVGG LKLLARLSL
 LTEQDLWTVNGLPNEHNSDHLPLLAKFRLEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001135119

ORF Size: 1566 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_001135119.2](#), [NP_001128591.2](#)

RefSeq Size: 3552 bp

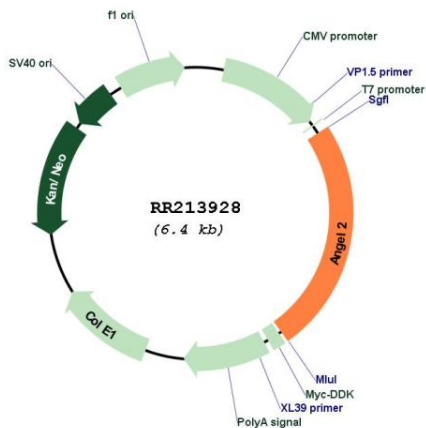
RefSeq ORF: 1569 bp

Locus ID: 305035

Cytogenetics: 13q27

MW: 59.8 kDa

Product images:



Circular map for RR213928