

Product datasheet for **MR230362**

Angel2 (NM_001199020) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angel2 (NM_001199020) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angel2
Synonyms:	2610307I21Rik; 5730410O10Rik; AI845692; D1Ertd396e; D1Ertd654e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230362 representing NM_001199020
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTCCCTATCCTCTAAAGAGTTTGGGTCGAGACTGGACCACGCCGTGGGAGGATCTACAGAAATATT
 GCTGGCGCAGACACATTTCCAGTTGCTGAGGTGGCCAGGACATTACTCCCGTGCCTTACCCATACTT
 CAGTAGCAGGCATTTCTCATTGAACTGTAGACCACCTTTTCTGTTTGAGTCTGGAACGCAGTTTCAGTAC
 TATAATTGGAGATCTGACCACCTTAGCAACGCATCCTTGATCCATCTCTCTCGTCACGTCATGACCTCTG
 ACAGAGATGAGCCCTTATCTAAACGAAGAAAACATCAAGGAACAATAAAAAGGAACTGGGAGTATTTATG
 TAGCCATAATAAAGAAAATACGAAGGACCTAGAAGACAGAAATGTTGACTCCACGTGTGAGGACCGTGAA
 GATAAGTTTGACTTCTCAGTGATGCTTATAACATCCTCTCGCAGGATTTACTGGAGGATAACTCTCACC
 TCTACAGACATTGCCGACGTCCAGTGTACTGAGTTTTCGGTCCCAATATCTTGAAGAAATCAA
 ACATTTTGATGCAGATGTGCTTTGTCTACAGGAAGTTCAAGAAGATCATTATGGGACAGAAATCAGGCCA
 AGTCTGGAATCACTGGGTATCATTGTGAATATAAAATGAAAACAGGAAGGAAGCCCGACGGCTGTGCCA
 TCTGCTTCAAACATTCCAGTTCTCGCTCTTATCTGTGAACCCAGTGGAGTTCTGCCGCCGCGACATTCC
 TCTGCTGGACAGGGACAACATTGGATTGGTTTTACTCCTCGACGCCAAGATCCCACGCGCTGCCTCTCCA
 TCCATCTGCATAGCTAACACACATCTGCTCTATAATCCACGGCGCGGTGACATTAAGCTGACCCAGCTGG
 CAATGCTGCTAGCTGAGATTGCCAATGTGACCCATCGCAAAGATGGCAGCTCCTGTCTATTGTCTATGTG
 TGGTGACTTTAATTCTGTTCTCGTTCTCCACTCTATAGTTTCATAAAGGAAGGAAAATTAATTTATGAA
 GGTCTTGCAATTGGAAAGGTATCTGGCCAGGAACAGTCTTACGGGGACAAGAATTTTATCTATTCCAA
 TTTGGCCCCAAACCTAGGCATCTCTCAGAAGTGTGTTTATGAGGCACAGCAGGTTCCCAAGTAGAAAA
 AACAGACAGTGATGTGACTCAAGCACAGCAGGAGAAAGCGGAGGTCCAGTGTCAGCTGACAAAGTGCTC
 TCGCATCTACAGCAGGTTTTCAGCTTGTCTATGTTCCATTATGTTCTGACACTGGAGTTCCAG
 AGGTGACCACCTGCCATTCGCAAGTGCCATAACTGTTGATTATATTTTCTACACTGCAAAGAAGGAGAA
 CACTGCTCAGGGGCCAGGAGCTGAAGTTGCTTTGGTTGGTGGCTTGAACCTCTAGCTAGACTGTCACTT
 CTAACAGAGCAAGACTTGTGGACTGTGAACGGCCTTCCAATGAGCACAACCTCCTCAGATCACCTGCCTT
 TGCTGGCCAAGTTCAGGCTTGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230362 representing NM_001199020
 Red=Cloning site Green=Tags(s)

MFPYPLKSLGRDWTTPWEDLQKYCWRRISSCLRWPGHYSRAPYPYFSSRHFSLNCRPPFLFESGTQFQY
 YNWRSDHLSNASLIHLSRHVMTSDRDEPLSKRRKHQGTIKRNWEYLC SHNKENTKDLEDNRNVDSTCEDRE
 DKFDFSVMSYNILSQDLLEDNSHLRHCRRPVLHWSFRFPNILKEIKHFDADVLCLQEVEDHYGTEIRP
 SLES LGYHCEYKMKTGKRPDGC AICFKHSRFSLLSVNPVEFCRRDIPLDRDNIGLVLLLPKIPRAASP
 SICIANTHLLYNPRRGDIKLTQLAMLLAEIANVTHRKGSSCPIVMCGDFNSVPGSPLYSFIKEGKLNYE
 GLAIGKVSQEQSSRGRILSIPWPPNLGISQNCVYEAQVVPKVEKTDSDVTQAQKEAEVPSADKVS
 SHLQHGFSLSVYSHYVPTDGVPEVTTCHSRSAITVDYIFYTAKKENTAQGPGAEEVALVGLKLLARLSL
 LTEQDLWTVNGLPNEHNSDHLPLLAKFRLEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001199020

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_001199020.1](#), [NP_001185949.1](#)

RefSeq Size: 3095 bp

RefSeq ORF: 1569 bp

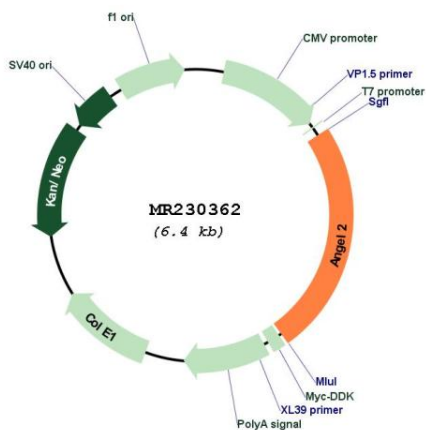
Locus ID: 52477

UniProt ID: [Q8K1C0](#)

Cytogenetics: 1 96.28 cM

MW: 60.3 kDa

Product images:



Circular map for MR230362