

Product datasheet for **MR208669**

Angel2 (NM_021421) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Angel2 (NM_021421) 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:

>MR208669 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACGTGGCGCTGTGTGAGGAGGGCTACGGCCGCTGTGTGGCGGGGCGAGGCCGATACTCCATGT
 TTCCTATCCTCTAAAGAGTTTGGGTCGAGACTGGACCACGCCGTGGGAGGATCTACAGAAATATTGCTG
 GCGCAGACACATTTCCAGTTGTCTGAGGTGGCCAGGACATTACTCCCGTGCSCCTTACCCATACTTCAGT
 AGCAGGCATTTCTCATTGAACTGTAGACCACCTTTTCTGTTTGTGCTGGAACGCAGTTTCAGTACTATA
 ATGGAGATCTGACCACCTTAGCAACGCATCCTTGATCCATCTCTCTCGTACGTCATGACCTCTGACAG
 AGATGAGCCCTTATCTAAACGAAGAAAACATCAAGGAACAATAAAAAGGAACTGGGAGTATTTATGTAGC
 CATAATAAAGAAAATACGAAGGACCTAGAAGACAGAAATGTTGACTCCACGTGTGAGGACCGTGAAGATA
 AGTTTGACTTCTCAGTGATGTCTTATAACATCCTCTCGCAGGATTTACTGGAGGATAACTCTCACCTCTA
 CAGACATTGCCGACGTCCAGTGTACACTGGAGTTTTTCGGTTCCCAATATCTTGAAAGAAATCAAACAT
 TTTGATGCAGATGTGCTTTGTCTACAGGAAGTTCAAGAAGATCATTATGGGACAGAAATCAGGCCAAGTC
 TGGAACTACTGGGTTATCATTGTGAATATAAAATGAAAACAGGAAGGAAGCCCGACGGCTGTGCCATCTG
 CTTCAAACATTCCAGTTCTCGCTCTTATCTGTGAACCCAGTGGAGTTCTGCCGCCGCGACATTCCTCTG
 CTGGACAGGGACAACATTGGATTGGTTTTACTCCTGCAGCCCAAGATCCCACGCGCTGCCTCTCCATCCA
 TCTGCATAGCTAACACACATCTGCTCTATAATCCACGGCGCGGTGACATTAAGCTGACCCAGCTGGCAAT
 GCTGCTAGCTGAGATTGCCAATGTGACCATCGCAAAGATGGCAGCTCCTGTCTATTGTCATGTGTGGT
 GACTTTAATCTGTTCTCGTTCTCCACTCTATAGTTTCATAAAGGAAGGAAAATTAATATGAAGGTC
 TTGCAATTGGAAAGGTATCTGGCCAGGAACAGTCTTACGGGGACAAGAATTTTATCTATTCCAATTTG
 GCCCCAAACCTAGGCATCTCTCAGAACTGTGTTTATGAGGCACAGCAGGTTCCCAAAGTAGAAAAACA
 GACAGTGATGTGACTCAAGCACAGCAGGAGAAAGCGGAGTCCCAGTGTGAGCTGACAAAGTGCCTCTCGC
 ATCTACAGCACGGTTTCAGCTTGTCTATCTATTCCCATTATGTTCTGACACTGGAGTTCAGAGGT
 GACCACCTGCCATTCCCAGAGTGCATAACTGTTGATTATATTTTCTACACTGCAAAGAAGGAGAACT
 GCTCAGGGGCCAGGAGCTGAAGTTGCTTTGGTTGGCTTGAACTTCTAGCTAGACTGCACTTCTAA
 CAGAGCAAGACTTGTGGACTGTGAACGGCCTTCCCAATGAGCACAACCTCAGATCACCTGCCTTTGCT
 GGCAAGTTCAGGCTTGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208669 protein sequence
 Red=Cloning site Green=Tags(s)

METWRCVRRGYGRCVAGRGRYSMFYPLKSLGRDWTTPWEDLQKYCWRRISSCLRWPGHYSRAPYPYFS
 SRHFSLNCRPPFLFESGTQFYNNWRSIDLNASLIHL SRHVMTSDRDEPLSKRRKHQGTIKRNWEYLC
 HNKENTKDLDRNVDSTCEDREDKDFDVSMSYNILSQDLLEDNSHLRHCRRPVLHWSFRFPNLIK
 FDADVLCLEQVQEDHYGTEIRPSLESYGHYCEYKMKTRKPDGCAICFKHSRFSLLSNVPVEFCRRDIPL
 LDRDNIGLVLLLQPKIPRAASPSICIANTHLLYNPRRGDIKLTQLAMLLAEIANVTHRKDGSSCPV
 MCGDFNSVPGSPLYSFIKEGKLNIEGLAIGKVSQEQSSRGRILSIPIWPPNLGISQNCVYEAQV
 PKVEKTDSDVTQAQKEAEVPSADKVSSHLQHGFSLSVYSHYVPTDGVPEVTTCHSRSAITVDYI
 FYTAKKENTAQGPGAEVALVGGLKLLARLSLLTEQDLWTVNGLPNEHNSDHLPLLAKFRLEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_021421

ORF Size: 1635 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_021421.4](#)
RefSeq Size: 3230 bp

RefSeq ORF: 1635 bp

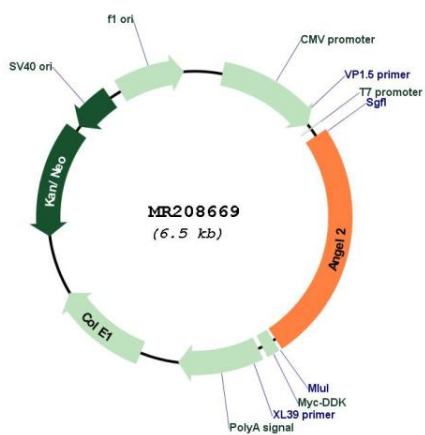
Locus ID: 52477

UniProt ID: [Q8K1C0](#)

Cytogenetics: 1 96.28 cM

MW: 62.4 kDa

Product images:



Circular map for MR208669