

Product datasheet for **MR209894**

Angel1 (NM_144524) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angel1 (NM_144524) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Angel1
Synonyms:	1110030H02Rik; mKIAA0759
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209894 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGATCGCGTCGTGCCTGTATTACCTGCTGCTGCCAGCCGCGCCTCTCCGCTTCTCTCAGATGCTT
TCTTTACATGTCGAAAAATGCCCTTCTGGCGAAGAGCTCATCTCCCAGGTAGAGGGTAACTTTGCCAT
GGCCCTCGGGGCTGACCAAGAAGAGTGTGAGGGCCTGCTGCAGCAGTGGCGAGAAGAAGGGTGAAC
CAGACACCCTCAACTGCAAGCGAGGGTCCCCTTGC GGATAAGGGACTAGCTGAGAGCAGTCTGGCCCTCC
TGATGGATAATTCTGGAGAACAGGATGCTGCCTCGGAGGACAAGTGGTCCAGCAGGCAGCTGAGTGACCT
TCGGGCAGCAGAGAACCTGGACCAGCCTTCCCTGAGGTGCTAGGGGAGGAGCCTCTGGCCGAGGTTGAG
GGTCTTTGTGGCGGCTGTTCCGGTACAGACAGGGCCCCAGTATGCAGATTGTGCTGTTCTTCCAATGG
GTGCGATGGCCGAGAACAGTGGGAAGAGGACCCTGCAATGGTGGCCTGGAGCATAGCACCGGAGCCTAT
GCCCCAGGAGGAGACTTCCATGTGGCCCTTGAAGGCCTGGAACAGCTGCAGCCTCCCCAATGGAATA
CCTTATCATGAAATCCTGTGGCGAGAATGGGAGGATTTCTCCACACAGCCAGATGCTCAGGGTCTGGAGG
CAGGAGACGGCCCTCAGTTCAGTTCACCTCTGATGTCGATAATATCCTGGCCCAGGACCTGATGCAGCA
GAGCTCAGAGCTCTATCTGCATTGCCATCCAGACATCCTCAACTGGAATTACCGCTTTGCCAACCTCATG
CAGGAATCCAGCACTGGGACCCGGATATCCTGTGTCTTCAGGAAGTCCAGGAAGACCACTACTGGGAGC
AGCTGGAGCCCTCTGCGGATGATGGGCTTCACTGTTTTACAAGAGGAGGACTGGGTGTA AACCGGA
TGGCTGTGCTGTGTGCTACAAGCCCACAGGTTCCGTCTGCTCTGTGCCAGCCCTGTGGAGTACTCCGG
CCTGGGTTGGAGCTCCTCAACCGGACAATGTGGGCTTAGTGTGCTGCTGCAGCCGCTAGTGCCAGAAG
GTCTGGGCAAGTCTCAGTGGCTCCCCTGTGTGGCAAATACCCATGTCCTGTACAACCCGCGTCGGGG
TGATGTCAAGCTGGCCCAGATGGCCATTCTTCTGGCCGAGGTGGACAAGGTGGCCAGGTTGTCAGATGGC
AGCCACTGCCCCATCATCTTGTGTGGGACCTGAATTCTGTCCCTGACTCACCTCTCTACA ACTTCATCA
GGGATGGAGAGCTCCAGTACAATGGCATGCCAGCCTGGAAGGTTTCTGGACAGGAAGACTTCTCTCATCA
GCTTTACCAGAGGAAGCTGCAGGCCCACTGTGGCCAGCTCCCTGGGCATCACTGACTGCTGTCAATAT
GTCACCTCTGTCATCCAAGAGATCAGAGAGACTGAAATATGGCCGAGACTTCTACTACGATTCCGCT
TCTGTGACCTCGCTTGCCAGCGACCAGTGGGACTGGTTCTCATGGAAGGAGTGACAGACACTAAGCCAGA
TCGACCTGCTGGTTGGCCGAGTGTATCTTTGAGGAAGAGATATCTGA ACTTGAGCCTGTCTTCCCAGG
ACTATAGGCACCATCCAGCACTGCCTCCACCTGACCTCAGTGTATACCCACTTCTGCCCCAGCATGGCT
GCCCAGAGGTACCACGATGCCCTTAGGGCTTGGGATGACAGTGGATTACATTTCTTCTCAGCTGAATC
CTGTGAGAATGAGAACAGAACCGATCACAGACTGGATCGAGATGGA ACTCTCAAGCTCCTGGGCCGCTC
TCCCTCTCTCTGAAGAGATTCTCTGGGCTGCCAATGGCTTACCCAACCCCTTCTACTCTTCAGACCATC
TCTGTTGCTTGGCAGCTTCGGCATGGAAGTCACTGCCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209894 protein sequence
Red=Cloning site Green=Tags(s)

MIASCLYLLPAARLFRFLSDAFFTCKRNALLAKSSSPQVEGNFAMAPRGPDQEECEGLLQQWREEGWN
 QTPSTASEGPLADKGLAESSLALLMDNSGEQDAASEDKWSSRQLSDLRAAENLDQPFPEVLGEEPLAEVE
 GPLWAAVPVQTGPQYADCAVLPMGAMAAEQWEEDPAMVAWSIAPEPMPQEETSMWPFEGLEQLQPPMEI
 PYHEILWREWEDFSTQPDAAQGLEAGDGPQFQFTLMSYNILAQDLMQSSSELYLHCHPDILNWNRYRANLM
 QEFQHWDPDILCLQEVDHYWEQLEPSLRMMGFTCFYKRRTGCKTDGCAVCYKPTRFRLLCASPVEYFR
 PGLELLNRDNVGLVLLLQPLVPEGLGQVSVAPLVCVANTHVLNPRRGDVKLAQMAILLAEVDKVARLSDG
 SHCPIILCGDLNSVPDSPLYNFIRDGELQYNGMPAWKVSQGEDFSHQLYQRKLQAPLWSSSLGITDCCQY
 VTSCHPKRSERLKYGRDFLLRFRCDLACQRPVGLVMEGVTDTKPRPAGWAECIFEEEISELEPVFPR
 TIGTIQHCHLHTSVYTHFLPQHGCPEVTTMPLGLGMTVDYIFFSAESCENENRTDHRLDRDGLKLLGRL
 SLLSEEILWAANGLPNPFYSSDHLCLLASFGMEVTAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144524

ORF Size: 2004 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_144524.1](#), [NP_653107.1](#)

RefSeq Size: 3867 bp

RefSeq ORF: 2004 bp

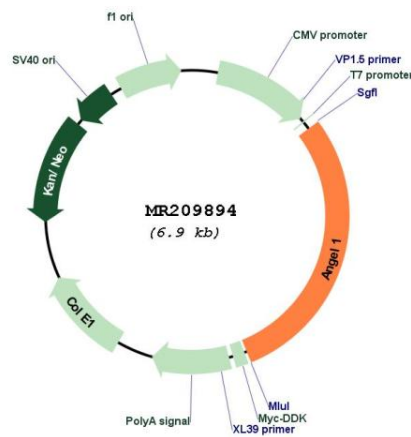
Locus ID: 68737

UniProt ID: [Q8VCU0](#)

Cytogenetics: 12 D2

MW: 75.3 kDa

Product images:



Circular map for MR209894