

Product datasheet for **MR218711**

Avl9 (NM_030235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Avl9 (NM_030235) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Avl9
Synonyms:	5830411G16Rik; D730049P16Rik; mKIAA0241
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR218711 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAGTCTGGGCGTGAGAGTGACGGCGCCCTGCGGGCCTGTCTGCACATCGTGGTGGTGGCT
 TTCACCACAAGAAGGGCTGCCAGGTTGAATTCTCTTACCCACCCTAATCCAGGAGATGGACATGATAG
 CCACACTTTACCTGAAGAATGGAAGTACTTGCCTTTCCTTGCCTTACCAGATGGTGCACATAACTATCAG
 GAAGATACTGTGTTTTTCACTTGCCACCCAGAAATGGAATGGAGCCACAGTATATGGTATCTCTTGT
 ATCGACAAATTGAAGCCAAGGCATTAAGTGAAGCAAGCCGACATCACCAGAGAGACTGTTGAGAAAAG
 TGTCTGTGTTTTAAGCAAGCTGCCTCTTATGGCTTACTCAAGCAAACTCCAACCTATTACACATGCA
 TATTTTGAAGAAAAGATTTTTCCCAAATTTCCATTCTAAAGGAGCTCTATGAACATATGAACAGTTCT
 TGGGAGGGGCTCATTAGAAGGATCGCAGGTGTATCTGGTTTGTCTCCTCGAGATCTTGCTTCACTT
 TCGACACAAGGTCTTGATCCTGTTAAGCTAATCTTCTTGAAGAAGGTTCTGTTTTACATTTCTCCA
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 ATGGGGTCAGACCAGACACACTTATCCAAAAGGACTCTCTGCCCTCGGACAGTCTCCAATTACTGTAC
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 GATGTCTTCTGGATGGCACCGGCTGGGAGGGTGGTGACGAATGGATCCGGGCCAGTTTGCAGTCTACA
 TCCACGCTCTCCTGGCTGCTACACTGCAGTTAGATAATGAAAAGATGTTATCAGACTATGGAACAACCTT
 TGTTGCCGCTGGAAGAATACTCACAACACTACAGGGTATGGAACAGCAATAAGCATCCGGCACTTTCAGAG
 ATAAATCCAACCATCCTTTTCAAGGCCAGTACTCCGTGTCAGACATGAAACTCAGATTCTCACATTCTG
 TTCAGAATAGTGAACTGGCAAAAAAATTGGCAGTGTCATGGTCAACACAGCCGGAATGTGGTACAAC
 AGGAAAAGCCGTTGGCCAATCAGTTGGAGGAGTTTTTCCAGTGCAAAGACAGCTATGTCTTCATGGCTA
 TCTACTTTCACCACATCCACCCCTCAGAGTCTTCTGAGCCACCAATGGGAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR218711 protein sequence
Red=Cloning site Green=Tags(s)

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MEKSGRESGDGAPCGPVLHIVVVGFHHKKGQVEFSYPPLIPGDGHSHTLPEEWKYL PFLALPDGAHNYQ
EDTVFFHLPPRNGNGATVYGISCYRQIEAKALKVRQADITRETQKSVCVLSKPLYLGLLQAKLQLITHA
YFEEKDFSQISILKELYEHMNSSLGGASLEGSQVYVLSLSPRDLVLHFRHKVLI LFKLILLEKKVLFYISP
VNRLVGALMTVLSL FPGMIEHGLSDCSQYRPRKSMSEDAGPQESNPSADDF TSESTSDVLNTSLETVTRV
MAVNHGEDAVPKTEKPYFQVEGNNGKQEPSSDGRYLELPPRSPESSESDWETLDP SVLEEDASLKEREQ
MGSDQTHLFQKDSLPSDSPITVQPQANNRQVVLI PGLISGLEEDQYGMPLAIFTKGYLCLPYMALQQHH
LLSDVTVRGFVAGATNILFRQKHLSDAIVEVEEALIQIHDP ELRKL LNPTTADLRFADYLVRHVTENRD
DVFLDGTGWEGGDEWIRAQFAVYIHALLAATLQLDNEKMLSDYGTTFVA AWKNTHNRYVWNSNKHPALSE
INPNHPFQGQYSVSDMKLRFSHSVQNSERGGKIGSVMVTTSRNVVQTGKAVGQSVGGAFSSAKTAMSSWL
STFTTSTPQSLPEPPNGKP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_030235

ORF Size: 1950 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_030235.1](#), [NP_084511.1](#)

RefSeq Size: 6691 bp

RefSeq ORF: 1950 bp

Locus ID: 78937

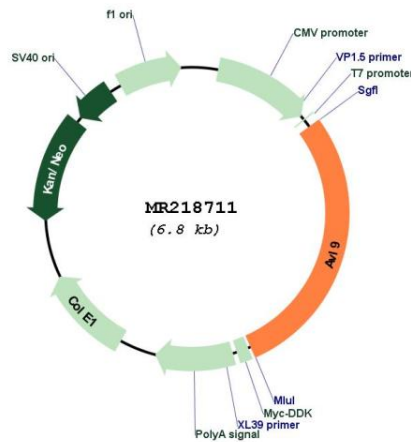
UniProt ID: [Q80U56](#)

Cytogenetics: 6 B3

MW: 72.2 kDa

Gene Summary: Functions in cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218711