

Product datasheet for **MG218711**

Avl9 (NM_030235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Avl9 (NM_030235) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Avl9
Synonyms:	5830411G16Rik; D730049P16Rik; mKIAA0241
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218711 representing NM_030235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAGTCTGGGCGTGAGAGTGACGGCGCCCTGCGGGCCTGTCTGCACATCGTGGTGGTGGCT
 TTCACCACAAGAAGGGCTGCCAGGTTGAATTCTCTTACCACCCTAATCCAGGAGATGGACATGATAG
 CCACACTTTACCTGAAGAATGGAAGTACTTGCCTTTCCTTGCCTTACCAGATGGTGCACATAACTATCAG
 GAAGATACTGTGTTTTTCACTTGCACCCAGAAATGGAATGGAGCCACAGTATATGGTATCTCTTGT
 ATCGACAAATTGAAGCCAAGGCATTAAAAGTGAGGCAAGCCGACATCACCAGAGAGACTGTTGAGAAAAG
 TGTCTGTGTTTTAAGCAAGCTGCCTCTTATGGCTTACTTCAAGCAAACTCCAACCTATTACACATGCA
 TATTTTGAAGAAAAGATTTTTCCCAAATTTCCATTCTAAAGGAGCTCTATGAACATATGAACAGTTCCT
 TGGGAGGGGCTCATTAGAAGGATCGCAGGTGTATCTTGGTTTGTCTCCTCGAGATCTTGCCTTCATTT
 TCGACACAAGGTCTTGATCCTGTTAAGCTAATCTTCTTGAAGAAGGTTCTGTTTTACATTTCTCCA
 GTGAATAGATTGGTGGGTGCACTAATGACTGTGTTATCCCTTTTTCCAGGCATGATTGAGCATGGCCTCA
 GTGACTGTTCTCAGTATAGACCTCGAAAGATATGTCTGAAGATGCTGGACCTCAGGAAAGTAATCCCTC
 TGCAGATGATTTTACTTCTGAGTCTACTTCTGACGTCTTAAATACCAGCTTGAAACTGTACAAGAGTC
 ATGGCAGTAAACCATGGCGAAGATGCTGTGCCAAGACGGAGAAGCCTTACTTCCAAGTAGAAGGTAACA
 ACAACAAAGGACAGGAACCCAGTGATTTGCGCCGATATTTGGAACCTCCACCCCGTCCATCTCCAGAGTC
 TTCAGAAAGTGACTGGGAAACGTTGGATCCTAGTGTCTTAGAGGATGCCAGCTTGAAGAAGGGAGCAG
 ATGGGGTCAGACCAGACACACTTATCCAAAAGGACTCTCTGCCCTCGGACAGTCCCTCAATTACTGTAC
 AGCCTCAAGCTAATAACAGGCAGGTGGTCTGATACCAGGGCTCATTTCTGGTTTGAAGAAGACCAATA
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 ACCTCAGTGATGCCATTGTGGAAGTGAAGAAGCACTGATCCAGATCCACGATCCAGAAGTATAGGAAGCT
 GCTTAACCCAACGACGGCTGACCTAAGGTTTCGACACTACCTGGTGGGACGCTGACTGAGAACCGGGAC
 GATGTCTTCTGGATGGCACCAGGCTGGGAGGTTGGTACGAATGGATCCGGGCCAGTTTGCAGTCTACA
 TCCACGCTCTCCTGGCTGCTACTGCACTGAGTATAGATAATGAAAAGATGTTATCAGACTATGGAACAACCTT
 TGTTGCCGCTGGAAGAATACTCACAACACAGGGTATGGAACAGCAATAAGCATCCGGCACTTTCAGAG
 ATAAATCAAACCATCCTTTTCAAGGCCAGTACTCCGTGTCAGACATGAAACTCAGATTCTCACATTCTG
 TTCAGAATAGTGAACGTGGCAAAAAATTTGGCAGTGTCATGGTCAACAACAGCCGGAATGTGGTACAAC
 AGGAAAAGCCGTTGGCCAATCAGTTGGAGGAGCTTTTCCAGTGCAAAGACAGCTATGTCTTCATGGCTA
 TCTACTTTCACCACATCCACCCCTCAGAGTCTTCTGAGCCACCAATGGGAAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218711 representing NM_030235
 Red=Cloning site Green=Tags(s)

MEKSGRESDGAPCGPVLHIVVVFHKKKGCQVEFSYPLIPGDGHSHTLPEEWKYL PFLALPDGAHNYQ
 EDTVFFHLPPRNGNGATVYGISCYRQIEAKALKVRQADITRETVQKSVCVLSKLPYGLLQAKLQIITHA
 YFEEDKFSQISILKELYEHMNSLGGASLEGSQVYVGLSPRDLVLFHRHKVLI LFKLILLEKKVLFYISP
 VNRLVGALMTVLSLFPGMIEHGLSDCSQYRPRKSMSDAGPQESNPSADDF TSESTSDVLNTSLETVTRV
 MAVNHGEDAVPKTEKPYFQVEGNNKGGQEPSDSGRYLELPPRPSPESES DWETLDPSVLEDA SLKEREQ
 MGSDDQTHLFQKDSLPSDSPPIITVQPQANNRQVVLIPGLISGLEEDQYGMPLAIFTKGYLCLPYMALQQHH
 LLSDVTVRGFVAGATNILFRQKHLSDAIVEVEEALIQIHDPRLKLLNPTTADLRFADYLVVRHVTENRD
 DVFLDGTGWEGDEWIRAQFAVYIHALLAATLQLDNEKMLSDYGTTFVAAWKNTHNYRVWNSNKHPLSE
 INPNHPFQGGQYSVSDMKLRFSHSVQNSERGGKIGSVMVTTSRNVVQTGKAVGQSVGGAFSSAKTAMSSWL
 STFTTSTPQSLPEPPNGKP

TRTRPLE - GFP Tag - V

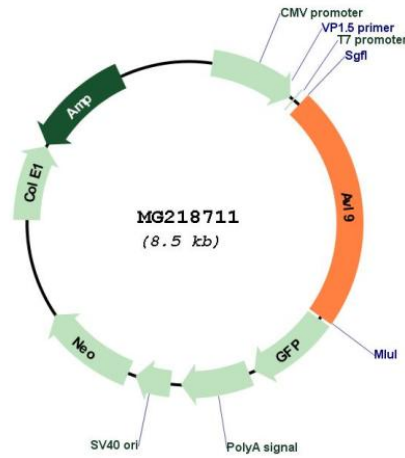
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_030235

ORF Size: 1947 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:	<ol style="list-style-type: none">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
Gene Summary:	Functions in cell migration.[UniProtKB/Swiss-Prot Function]