

Product datasheet for **MC221795**

Avil (NM_009635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Avil (NM_009635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Avil
Synonyms:	Advil; DOC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221795 representing NM_009635
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCTGAGCAGTGCCTTCAGGGCTGTGAGCAACGACCCCGGATCATCACATGGAGAATTGAGAAAA
 TGGAGCTGGCGCTGGTGCCCTGAGTGCTCACGGCAACTTCTACGAGGGAGACTGCTACATCGTCCCTCTC
 GACCCGGAGAGTGGGCGCCCTTCTCTCCAGAACATCCACTTTTGGATCGGGAAGGACTCCTCCAGGAC
 GAGCAGAGCTGCGCGCCATCTATACCACACAGCTGGATGACTACCTGGGAGGCAGCCCGGTGCAGCACC
 GTGAGGTCAGTACCACGAGTCCGACACCTTCCGTGGCTACTTCAAGCAGGGCATCATCTATAAAAAAGG
 GGGTGTGGCTCTGGGATGAAGCACGTGGAGACCAACACCTATGATGTGAAGAGGCTGCTACACGTAAG
 GGGAAAAGAAACATCCAAGCCACGGAGGTGAAATGAGCTGGGACAGCTTAACCGAGGCGATGTCTTCC
 TGCTGGACCTTGGGATGGTCATCATCCAGTGAATGGCCCGAGAGCAACAGTGGGAACGTCTCAAGGC
 TATGCTTCTGGCAAAGGACATTCGGGACAGGGAGCGAGGGGGCCGTGCTGAAATTGGGGTATTGAGGGA
 GACAAGGAGGCGCCAGCCAGGGCTGATGACAGTCTCCAGGATACCCTTGGTCGACGCTCCATGATAA
 AGCCTGCAGTTTCTGATGAGATCATGGACCAACAACAGAAATCAAGTATCATGTTATATCATGTCTCCGA
 CACAGCTGGGCGACTGTGAGTACAGAGGTGGCAACAAGGCCCTGGTCCAGGACCTACTGAACCAGAT
 GACTGCTACATCTGGACAAAGTGGCACAAGATCTACGTGTGGAAGGCAAGGAGCCACCAAGGTTG
 AGAAACAGGCGGCCATGTCCAAGCCCTGGATTTTCATCAAGATGAAGGGATACCCAGCAGCACCAACGT
 GGAGACCGTCAACGATGGCGCAGAGTCGGCCATGTTCAAACAGTTGTTCCAGAAATGGTCGGTGAAGGAC
 CAGACCAGGGCTTGGGAAAAATATTCAGCACTGGTAAATCGCTAAAATCTTCCAGGACAAGTTCGATG
 TGCTCTGCTACACCAAGCCAGAAGTGGTGCACAGGAGAGAATGGTGACGACGGCAAAGGCCAGGT
 TGAGTCTGGAGAATTGAGAACCCTGGAGCTGGTCCCCGTGGAATACCAGTGGCATGGCTTCTTCTACGGG
 GGAGACTGCTATCTGTTCTCTACACGTACGATGTGAACGGGAAACCCATTACATCTTGTACATCTGGC
 AGGGCCGCCACGCATCCCGGGATGAGCTGGCAGCCTCAGCCTATCGGGCAGTGGAGGTGGATCAGCAGTT
 TGATGGAGCCCCTGTGCAGGTCCGGTTAGCATGGGGAAGGAGCCAGCCACTTCATGGCCATCTTCAA
 GGAAAGCTGGTTATCTACGAGGGCGGGACTTCCAGGAAGGAAACGAGGAGCCGGACCCTCCAGTAAGGC
 TCTTCCAGATCCACGGGAACGACAAATCCAACACCAAGCAGTGGAGGTCTCGGCTCTGCTTCTCGCT
 CAACTCCAACGACGTCTTCTGCTGCGGACTCAGGCAGAGCACTACCTGTGGTACGGCAAGGGTCTAGT
 GGGGACGAGCGGGCGATGGCTAAGGAGTGGTCGACCTTCTCTGTGATGGCAATCGGACACTGTGGCTG
 AGGGCCAGGAGCCACCTGAGTTCTGGGACCTTCTGGGAGGAAAAACAGCCTACGCTAATGACAAAAGGCT
 GCAGCAAGAAACCTGGACGTCCAGGTCCGGCTCTTTGAGTGTTCCAATAAGACTGGCCGCTTCTTGT
 ACGGAGGTCACGGACTTCACCCAGGAGGACCTGAGCCCAGGTGATGTGATGCTTCTGGACACCTGGGACC
 AGGTGTTCTTGTGGATAGGAGCGGAGGCCAATGCCACGGAGAAGAAGGGGCCCTCTCGACGGCTCAGGA
 GTACCTGGTCACACATCCTAGTGGCCGAGACCCGACACACCGATTCTGATCATCAAACAGGGCTTTGAG
 CCCCCACCTTACAGGCTGGTTCTGGCATGGGACCCTCACATTTGGAGCGAAGGAAAAATCATATGAGC
 AGCTAAAGAACGAGCTGGGAGATGCAACTGCCATTGTGCGAATCACCGCTGACATGAAGAACGCAACACT
 TTACCTGAATCCTAGTGACGGTGAGCCAAAGTACTACCCGGTGGAAAGTTCTGCTGAAAGGTGAGAACCA
 GAGCTGCCTGAGGATGTGGACCCCGCCAAAAGGAGAAGTACCTCTCGGAACAAGACTTTGTATCTGTGT
 TTGGCATCACGAGAGGGCAGTTCAGTCTGCTGCTGGCTGGAACAGCTCCAGCTGAAGAAAGAAAGGGG
 CCTTTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009635
Insert Size: 2460 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_009635.3 , NP_033765.2
RefSeq Size:	3033 bp
RefSeq ORF:	2460 bp
Locus ID:	11567
UniProt ID:	O88398
Cytogenetics:	10 D3
Gene Summary:	Ca(2+)-regulated actin-binding protein. May have a unique function in the morphogenesis of neuronal cells which form ganglia. Required for SREC1-mediated regulation of neurite-like outgrowth. Plays a role in regenerative sensory axon outgrowth and remodeling processes after peripheral injury in neonates. Involved in the formation of long fine actin-containing filopodia-like structures in fibroblast. Plays a role in ciliogenesis.[UniProtKB/Swiss-Prot Function]