

Product datasheet for **MC220387**

Aknad1 (NM_177859) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aknad1 (NM_177859) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aknad1
Synonyms:	4921525H12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220387 representing NM_177859
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGAAACCGACTTTTCAGAAGATATGACTTATAACAACAGGAGGACCTGCCTTATGATGGGGACT
 TCTCCAGATGAAGATGTGCACTTCTTACAACCTTACCATAACAAATGACACCTCTCCTGTCTCAGCAGA
 AGTTGTTCTGGCAGGAGAAGACCCTCAGGAAGTGGCTTCTAACTGTGAGGTGCGCCAGGACACAGCTCTG
 CTGGCAACTTGGGATAAGATGACTGAACTGTGCGCAATAGGCATGATAAAGATAAGCAATGCGCCCTGG
 CTTCTCCTGTTCCAGCTGATAAAGAAGATACCTCAAAGTCCCACGTCTCAGATATTTTACTCCATCATCT
 CTCCGGAGAGCAATTCTCAGGGGTCCAGGTGCTGGCTATGAACTCTCCAGAGACCTCGAATGCTGAC
 AGTCTTGAAGGCTCAGATACTCTTATAAATATCATTTTCATGTTATGCAAAAAAGTATTACCCCAAAGAAC
 AAATCCGAGAATTCAGTGGCCAGCCAGTCCCCAAATGGTTCAATAAATAGCAGCAAGCCCTGTTGCTC
 CCCTGGCAGAGAAGAAGAAAACGCTCTCCCTTAGAAGAAGCAGTGGCTGCTGGGAAGAGCACCCATCAG
 GAAGATCCAAGCTTTCTAACCAGGACTAAAGGTCCAGGTGATAAATATAAAGCTGCCTGAGGCAGACAC
 CCCAGAGACAGCTGCCAGACAAAGCAAATTCAGGCGACTGGCTCAGATACAGCCAGGCTCAAGTGCCTA
 CCAGTTTCCAGATTTTCTAAGTTTCTCCCAAAGGAACTCTCTAGCAAACCACTTACCACAGCTAAC
 GAAGGCGGCCATTCTCCGAGGTTGACGAATAAATCAACAGTTGTGCAAGATAATTTAGGAACACGCTCTG
 GGTCAAATCGTGTGAAAAACAACCGGAGCAGAAATGGAATTTCTGAACCTTCGCAACAAATACAGGT
 GCAGCCTGCCACACACCTGCCAAGAACCTCTCAGGACTTGAACCTGAGAAATGTTGCTTGAATTTG
 ACACCAACACCTCAAAAAGATCCTTTCTCAAATCTTACATATTTCAAAAGATCTCCCATGAAAAACAGA
 TGTGCCAGAACTGAAAGAACAGACTGACCAACTGAAGAATAAGGTACAAGAATTTTCAAAAAGATAAA
 ACAGGACTCTTTCTGCCATTTGCAAGACATAAGACTGATGAACAAGGAACATGCTGGCAGTCTTCCAGGG
 CCTGGGGCTCCCGAGGAAGTGAGGTGACAGGGCTGCCGAGGGGAGGGCCACAGGAGGCCACCTCCAAGG
 AGCTCAGTGAAGTGGCCCTGAAGATGAAACAGAAAATGGAGAAAAGGGGCCACAGAAGAACTAAGTGTG
 GAAGTTTTCCAGTAGCATCCATGAAAAAAGCTGCCCCAAGACTCGGCTCTCGGTACTGATCCAGGACCC
 GACTTTTGTCTGATCCTGGTACTGGGCTCCAGAGTAACAAATGTGAAGCCTACGGAAGCAAGACTCAGA
 ACTCCAGAGAGTCTGTGAGGAAGACCCACCAAAAGATTTTATTATAGATATAACACTCCAGGACAAGA
 TGACTTAAATCATGGTGGAGGATATATCTTTGTCCAGCCTCACTTCTTATATGAAAAATAAATCTCTGCA
 TCTTCTTGGTCAAAGCAAAATGGATCTGGTCTGGAGAGTGAAGTGAAGCCGTTCAAGATGAGCCCG
 ATCCTGCGGCAGGAAATATCCCAAGACTTATATGATCTCTACCTCAGACCTTGCAACACCTCACCCCA
 CCTCTGCTGCCTGGGAATTCCTAGAATCCAGTCTTATGTCCAGTGATAACATGGAAGAATGGATCT
 AAGATTTTAACTCGCCCTTGGAGCATGCCTTAAGGACAGCAACCATATTGAAAAAACACCGACCAAA
 TGATTAGATCCATTGCAGAAGACCTCGCCAAGGCACAAGGATGGAGACACCAGCTAAGATACTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_177859

Insert Size: 2028 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_177859.3, NP_808527.2

RefSeq Size: 2603 bp

RefSeq ORF: 2028 bp

Locus ID: 329738

Cytogenetics: 3 F3