

Product datasheet for **MC222248**

Akap3 (NM_009650) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap3 (NM_009650) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Akap3
Synonyms:	Prka3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222248 representing NM_009650
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGATAGGGTTGACTGGTTACAAAGTCAAAGTGGCGTTTGCAAAGTTGGTGTCTATTCACCTGGAG
 ACAACCAACACCAAGACTGGAAAATGGACACATCAACAGATCCTGTCCGAGTGCTCAGCTGGCTCCGCAA
 AGACCTGGAGAAAAGTACAGCGGCTTCCAGGACTCGAGGTTCAAGCCTGGAGAGTCATCGTTTGTGGAG
 GAAGTGGCTTACCAGTGGACCAACGAAAAGTTTCTGTGTTGATTATTACAATACCACCAACAAGGGCA
 GTCCAGGAAGATTGCATTTTGGATGTCTCACAAGGAGAACCCTCCAGGGCCTCATTTCCCATGTTGG
 TAATGGGGTTCCATAGACGAAGTTTCTTCTATGCCAACCGCTCACAAACCTAGTGATCGCCATGGCC
 CGAAAGGAGATCAATGAGAAGATCCACGGCGTGAAAACAATGTGTCCATCAGTCATTGTATATGGGGG
 ATGAGCCACACCCACAAAAGCTTGTAGTACAGTGGCCTCTGAGCTCGTGAACGAGACAGTCACCGCATG
 TTCCAAGAATTTCCAGTGACAAAGCTCCCGGCTCTGGAGACAGGGCCTCGGGGTGTCACAGGCCCT
 GGTCTAAGATACAGGACTCTGAAGATCAAGGAGAGTACAAAGGAAGGCAAGTGTCCAGACGACAAGC
 CCGGCACTAAGAAGTCTTCTTCTATAAGGAAGTGTGGAGTCCCGGAATGCAGGAGATGCCAAGGAGGG
 CGGGAGGTCTTACCAGGAGATCAAAAAGTGTTCAGGACAGCCCGACAACAGGCCTGATGACTTTTCA
 AACTCTATCAGTCAAGGGATCATGACCTACGCCAACAGCGTGGTGTCTGACATGATGGTCTCCATCATGA
 AGACGCTGAAGATCCAGGTGAAGGACACAACCATCGCCACGATTCGTGCTGAAGAAGGTGCTGATGAAGCA
 CGCAAAGGAGTGTCTCCGACCTCATCGACTCCTTCAAGAAGCTCCACGGCGTCACGGGAAGCCTC
 ATGACTGACACAGACTTGTCTCGGCCGTGAAACGAAGTTTTTTTTTCTCATGGAAGCCAAAAGGCCACAG
 GAGAGCCAGGGACAAGTCGGAGAGTTACTCCCTTATCTCCACGAAATCACGGGCTGGTGACCCAAAGCTC
 TCAATTTGAACTTTGCGATGAAGTCAGAATCAAAGCTGAAAGAAAATTTGTTTTCTACATGCAAACCTAG
 AGAAAGAGAAGACGTGTGCCGAACTCTGGGTGAGCATATTATTAAGGAGGGACTGCACATGTGGCACA
 GAGTCAGCAAAAATCTCCTGGCTTGGAGCGTGCCGCAAACTGGGTAACGCTCCACAGGAGGTCTCCTTT
 GAGTGCCAGATCCTTGTGAGGCAAAACCCTCTCACCACCTCAGCCACCAGAGAATTTTCAAATTTTA
 TGTGTGACTCAGACTCCTGGCCAAGGACCTGATTGTATCCGCCCTGCTTCTGATTCAGTATCACCTGGC
 ACAGGGAGGAAAGATGGATGCTCAGAGCTTCTGGAAGCTGCTGCCAGCACCAATTTTCCACCAACAAG
 CCACCTCCTCCTCTCCTGTAGTTCAGGATGAGTGCAAACCTAAGTCTCCTCCCAAGATATGTGACC
 AAGAACAACAGAAAAGAAAGATCTGATGAGTGCATCTCAATTTTATCCGGAACCTACTCAGCGAGAC
 CATATTCAAGAGTAGCCGTAACGTGAATCCAATGTGCATGAGCAGAACACTCAGGAAGAAGAGATACAC
 CCGTGTGAAAGGCCTAAGACTCCATGTGAAAGGCCTATTACCCCGCTGCCCCGAAATTTCTGTGAGGATG
 AGGAGGCCACTGGTGGTGCCTTATCTGGGCTAACCAAGATGGTTGCCAACAGCTAGACAACCTGTATGAA
 TGGGCAGATGGTGGAGCACCTGATGGACTCGGTGATGAAGTTATGCCTCATTATTGCCAAGTCTGTGAC
 TCTCCCTGTGCGAGCTGGGAGAGGAAAAGTGTGGGATGCCAGCCGGCCAAATTTCTGCCTTCCCAGATA
 ACTTATATGAGTGCCTACCAGTCAAGGGCACAGGGACAGCTGAAGCCCTCCTGCAGAACGCTACCTCAC
 CATCCATAATGAACTGAGAGGTTTGTGAGGACAGCCCGGAGGCTGTGAAATCCCAAGGTGATCGTC
 AGCAACCACAATCTGGCTGACACCGTTTCAAGCAAGCAACTGCAAGCTGTCTTCAAGTGGTGGCTGCCT
 CAGAGCTCAATGTCCCTATTTTGTACTTTGCTGGTGCAGTGAAGGAATCCAGGAGAAGCTGCTTACGCT
 CTCAGCCACTGCCGTGGAGAAAGGCCGAGCGTGGGGAGGTTCTGAGTCCGCTGCTGAGGTACGAGAAG
 GAGCGACAGCTGGATGAAGCAGTGGGAAATGTCACGCGGCTGCAGCTGCTGGACTGGCTGATGGCAAACC
 TG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_009650

Insert Size:	2595 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_009650.2 , NP_033780.2
RefSeq Size:	3173 bp
RefSeq ORF:	2595 bp
Locus ID:	11642
UniProt ID:	O88987
Cytogenetics:	6 F3
Gene Summary:	May function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction.[UniProtKB/Swiss-Prot Function]