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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGATAGGGTTGACTGGTTACAAAGTCAAAGTGGCGTTTGCAAAGTTGGTGTCTATTCACCTGGAG
ACAACCAACACCAAGACTGGAAAATGGACACATCAACAGATCCTGTCCGAGTGCTCAGCTGGCTCCGCAA
AGACCTGGAGAAAAGTACAGCGGGCTTCCAGGACTCGAGGTTCAAGCCTGGAGAGTCATCGTTTGTGGAG
GAAGTGGCTTACCCAGTGGACCAACGAAAAGGTTTCTGTGTTGATTATTACAATACCACCAACAAGGGCA
GTCCAGGAAGATTGCATTTTGAGATGTCTCACAAGGAGAACCCTTCCCAGGGCCTCATTTCCCATGTTGG
TAATGGGGGTTCCATAGACGAAGTTTCCTTCTATGCCAACCGCCTCACAAACCTAGTGATCGCCATGGCC
CGAAAGGAGATCAATGAGAAGATCCACGGCGCTGAAAACAAATGTGTCCATCAGTCATTGTATATGGGGG
ATGAGCCCACACCCCACAAAAGCTTGAGTACAGTGGCCTCTGAGCTCGTGAACGAGACAGTCACCGCATG
TTCCAAGAACATTTCCAGTGACAAAGCTCCCGGCTCTGGAGACAGGGCCTCGGGGTCGTCACAGGCCCCT
GGTCTAAGATACACGAGCACTCTGAAGATCAAGGAGAGTACAAAGGAAGGCAAGTGTCCAGACGACAAGC
CCGGCACTAAGAAGTCTTTCTTCTATAAGGAAGTGTTTGAGTCCCGGAATGCAGGAGATGCCAAGGAGGG
CGGGAGGTCCTTACCAGGAGATCAAAAACTGTTCAGGACCAGCCCCGACAACAGGCCTGATGACTTTTCA
AACTCTATCAGTCAAGGGATCATGACCTACGCCAACAGCGTGGTGTCTGACATGATGGTCTCCATCATGA
AGACGCTGAAGATCCAGGTGAAGGACACAACCATCGCCACGATTCTGCTGAAGAAGGTGCTGATGAAGCA
CGCAAAGGAGGTTGTCTCCGACCTCATCGACTCCTTCATGAAGAACCTCCACGGCGTCACGGGAAGCCTC
ATGACTGACACAGACTTTGTCTCGGCCGTGAAACGAAGTTTTTTTTCTCATGGAAGCCAAAAGGCCACAG
ATATCATGGATGCCATGCTGGGCAAGCTATACAATGTGATGTTTGCCAAGAAATTCCCTGAGAACATCCG
GAGAGCCAGGGACAAGTCGGAGAGTTACTCCCTTATCTCCACGAAATCACGGGCTGGTGACCCAAAGCTC
TCAAATTTGAACTTTGCGATGAAGTCAGAATCAAAGCTGAAAGAAAATTTGTTTTCTACATGCAAACTAG
AGAAAGAGAAGACGTGTGCCGAAACTCTGGGTGAGCATATTATTAAGGAGGGACTGCACATGTGGCACAA
GAGTCAGCAAAAATCTCCTGGCTTGGAGCGTGCCGCAAAACTGGGTAACGCTCCACAGGAGGTCTCCTTT
GAGTGCCCAGATCCTTGTGAGGCAAACCCTCCTCACCAACCTCAGCCACCAGAGAATTTTGCAAATTTTA
TGTGTGACTCAGACTCCTGGGCCAAGGACCTGATTGTATCCGCCCTGCTTCTGATTCAGTATCACCTGGC
ACAGGGAGGAAAGATGGATGCTCAGAGCTTCCTGGAAGCTGCTGCCAGCACCAATTTTCCCACCAACAAG
CCACCTCCTCCTTCTCCTGTAGTTCAGGATGAGTGCAAACTTAAGTCTCCTCCCCACAAGATATGTGACC
AAGAACAAACAGAAAAGAAAGATCTGATGAGTGTCATCTTCAATTTTATCCGGAACTTACTCAGCGAGAC
CATATTCAAGAGTAGCCGTAACTGTGAATCCAATGTGCATGAGCAGAACACTCAGGAAGAAGAGATACAC
CCGTGTGAAAGGCCTAAGACTCCATGTGAAAGGCCTATTACCCCGCCTGCCCCGAAATTCTGTGAGGATG
AGGAGGCCACTGGTGGTGCCTTATCTGGGCTAACCAAGATGGTTGCCAACCAGCTAGACAACTGTATGAA
TGGGCAGATGGTGGAGCACCTGATGGACTCGGTGATGAAGTTATGCCTCATTATTGCCAAGTCCTGTGAC
TCTCCCCTGTCGGAGCTGGGAGAGGAAAAGTGTGGGGATGCCAGCCGGCCAAATTCTGCCTTCCCAGATA
ACTTATATGAGTGCCTACCAGTCAAGGGCACAGGGACAGCTGAAGCCCTCCTGCAGAACGCCTACCTCAC
CATCCATAATGAACTGAGAGGTTTGTCAGGACAGCCCCCCGAGGGCTGTGAAATCCCCAAGGTGATCGTC
AGCAACCACAATCTGGCTGACACCGTTCAGAACAAGCAACTGCAAGCTGTCCTTCAGTGGGTGGCTGCCT
CAGAGCTCAATGTCCCTATTTTGTACTTTGCTGGTGACGATGAAGGAATCCAGGAGAAGCTGCTTCAGCT
CTCAGCCACTGCCGTGGAGAAAGGCCGCAGCGTCGGGGAGGTTCTGCAGTCGGTGCTGAGGTACGAGAAG
GAGCGACAGCTGGATGAAGCAGTGGGAAATGTCACGCGGCTGCAGCTGCTGGACTGGCTGATGGCAAACC
TGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009650

Insert Size: 2595 bp

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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.
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]

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