

Product datasheet for **RN212692**

Akap8 (NM_053855) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Akap8 (NM_053855) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Akap8 |
| Synonyms: | Akap95 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN212692 representing NM_053855
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAAAGCTACGGAGTTATGGGGCATGGAGTGCTGGACCTGCCAACACCCAGGGTACATATGGAA
 GTGGTGTGGCCAGCTGGCAAGGTTATGAAAACACTACAGCTACTACAATGCCAGAACCAGTGCCCTAC
 AGGAACACCCATAGTTATGGCCAGCCTCGTGGGAGGCCACCAAGGCCAGTGATGGTGGCCTGGCAGT
 GGGAGTTCTGCTATGCATGTGGCCTCTTTTGGCCAGAGCCATGCACCGACAACCTGACTCGTCTATTG
 CCAAGATCAATCAACGTTTGGACATGTTGTCCAAGGAAGGAGGCAGGGGTGGGATCAGCAGCGGTGGGGA
 GGGCATGCAGGACCGAGACAGCTCCTCCGCTTCCAGCCATATGAGTCTACGACTCCAGGCCCTGTATG
 CCTGAGCATACTCCCTACCGCCCAGCTACAGTTACGATTATGACTTTGACTTGGAACTGACCGCAATG
 GTAGTTTTGGCGGACATCAACGACTGTCCGGACCCAACCCAGAGCGAGGCCCTTGATGGTTTCTT
 AAGGGGCCGGGGCAGGGCCGCTTCCAGGACCGGAGCAACTCGAGCACCTTCATACGTAGTGACCCCTTC
 ATGCCACCCTCAGCCTCCTCAGAGCCCTTATCCACCACCTGGAGTGAGCTGAACTACATGGGTGGACGTG
 GTCTAGGTGGGCCCTCCACCAACAGGCCGCTCCTCCCTCTTCTCCAGTCCATGGCCCTGACTACAG
 CATGATGGGCATGCAGGGGGTGGCGGTTTTGGTGGCACCATGCCTTATGGATGTGGCCGGTCCCAGACT
 CGGATACGGGATTGGCCAGAAGGAGGGGGTTGAACGCTTTGGACCAGACAACATGGGCAGGAAGCGGA
 AGCCGTTTCCATTGTATGAAGAACCTGATGCCAAGCTGGCCCGTGTGACAGTGAAGGAGACCTCTCTGA
 AAACGATGATGGAGCTGGTGACTTACGGTCAGGAGATGAAGAATTTAGGGGGGAGGACGACCTCTGTGAC
 TCCCGGAAGCAGAGAGGAGAAAAGGAGGACGAGGATGAGGATGTGAAGAAGAGACGGGAGAAGCAAAGGA
 GGAGAGATCGGATGCGGGACCGAGCAGCTGACAGGATTCAGTTTGCCTGTTCTGTGTCAAATTTCTGATG
 CTTTGAAGATGAAGAAATCCAAAAGCATCTGCAAAGTAAATTTTCATAAAGAGACCTTGGCGTTTATAAGT
 ACCAAAACCTGACAAGACAGTAGAATTTCTCCAGGAGTATATCATAAACAGGAATAAGAAAATTGAGA
 AACGGCGTCAGGAGTTGTTGGAGAAGGAAAGCCCTAAACCCAAACCAGATCCATTCAAAGGGATTGGCCA
 GGAGCATTTCTTCAAAGGATTGAAGCCGCACACTGCCTGGCCTGTGACATGCTGATTCCTGCACAGCAC
 CAGCTCCTGCAGCGCATCTGCACTCTGTGGACCATAACCATAATCGAAGTTGGCTGCTGAACAATTCA
 AGAAAACAAGTCTCCATGTGGCTAAGAGTGTCTGAACAACAAGCATATAGTGAAGATGTTAGAAAAATA
 CCTCAAGGGCGAGGATCCTTTTGTCAATGAAACTGCTGATCTTGAGACAGAAGGAGATGAGAACTTAGGA
 GAGGAGAAGGAGACACCAGAGGAGGTAGCTGCGGAAGTCTTAGCAGAGGTGATCACAGCAGCGGTGAAGG
 CTGTAGAGGGGGATGGAGAACCAGCTGCAGAGCATAGTGACGTCCTAGCTGAAGTGAAGGGCCTGTGGA
 CACCGCCGAGGCTGGTAGTGACTCCACACTGGAAGCTGCTAGAAGAACAGACCTGTGAAACAGCATCT
 GAAACCAGGAACATGGAAGACATGGCCAGAGGTGAGGCTGCTGAGGCCAGAAATGAAGCAGCTGTGCCAG
 CAGCAGCCGCCGAAGCCAGTACCTGTGATAGCCATCCAGGAATCCTGGAAGATGAGCTGGAACAAAC
 TGATGCAGAGGCCAAAGATACTCCACAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053855

Insert Size: 2064 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).

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| 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: | <u>NM_053855.1</u> , <u>NP_446307.1</u> |
| RefSeq Size: | 3438 bp |
| RefSeq ORF: | 2064 bp |
| Locus ID: | 116633 |
| UniProt ID: | <u>Q63014</u> |
| Cytogenetics: | 7q11 |
| Gene Summary: | scaffolding protein that is involved in targeting type II cAMP-dependent protein kinase for cAMP-responsive nuclear events [RGD, Feb 2006] |