

Product datasheet for **RN207517**

Akap2 (NM_001011974) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap2 (NM_001011974) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akap2
Synonyms:	AKAP-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207517 representing NM_001011974
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATTTGGGTGTCCGTGGCAGAATGTAAAAGTGTACCTGGAATCACCTCTACCCCCATTCCAAGG
 ACCACTCCTCCCTTTCTATTCTCCCTCACACAATGGCCTCCTCACTGATCACCACGAGTCTTTAGATAA
 TGATGTCGCCAGAGAGATCCAATACCTAGATGAGGTGCTGGAGGCCAACTGCTGCGATTCTCCGTGGAT
 GGAACCTACAACGGGATCTCTCCCCAGAGCCTGGTGCAGCCATACTGGTAAGCAGCCTTGCTCACCTG
 CCCACTCAGCCACCAAGGTAGAACCATTGAGAAAGCATCTGGTAGGCAGCTGCCCTCACATCGAACT
 CAGTAGAAGCCCTTCTGACAGCATGGCTGAAGGAGAAAGGCCAATGGACTCCACTGACCAGCCTCAA
 GACATGCTGGGAATAGCCTGCAGGCTCCTGCCAGCCCCAGTTCTCTACCAGCTCCACTGCTCCTCCC
 GAGATGGAGAGTTCACACTCACCACACTGAAGAAGGAGGCCAAGTTTGGCTGCGTGCCTCCACGAGGA
 CAAGAAGCCCTCAAGCTCTTTGAGGAGACGAGCAGCAGAGAAGGAGCAGTTCTGCATCCGAAAAGTGAGG
 CCCTCTGAGGAGATGATAGAGCTGGAGAAGGAGCGGAGGGAACCTATTCCGGAGTCAGGCTGTGAAGAAGA
 ATCCTGGCATCGCGGCCAAGTGGTGAATCCTCCCCAGGAAAAAACTATTGAGGAACAGCTGGATGAGGA
 ACATCTGGAGTCACACAGAAAGTACAAGGAGCGCAAAGAGAAAAGGGCACAGCAGGAACAGCTACAGTTA
 CAGCAACAGCAGCAGCAGCAGCTACAACAGTTGCAACAGTTGCAGCAGCAGCAACAGCAGCAGCTGTCCA
 CCTCTCAGCTCTGCACAGCCCCAGCTGCTCATGAACACCTAGATAGCATTGAACACAAAAGGAGGATGT
 CGTCACTGAGCAGATTGATTTCTCAGCTGCACGCAAGCAGTTCCAGCAGATGGAGAATCCAGGCAAACA
 CTGGCCAAAGGCCAGAGCACACCTAGGCTGTTCTCCATCAAGCCTTTCTACAACTCTTGGATCCATCA
 ACTCGGACAAGCCACCGACCATTGCGACCAGCTACTATCGGGGGAAGTGTGAAGACAGCAGCACACA
 GGCAGCCAAAGAGCAGAAAGCTCTCTGTGTATCTGAGAGCCAGTCTGCAGGAGCAGGAACAGGTAATGCT
 GCCACTCAGGAAAGGAAGGGCCATACAGTGAGCCTTCCAAACGCGGGCCCTTATCCAACTGTGGGCAG
 AGGATGGAGAGTTCACAAGTGCCGGGCGCTCCTTACTGTAGTCAAAGATGAAGATCATGGGATTTTGGGA
 CCAGTTTTCAAGATCGGTCAATGTATCTTTGACCCAGGAGGAGCTGGACTCAGGTTTGGATGAGTTGTCA
 GTAAGGTCCCAGGACACCACTGTCTGGAGACTTTGTCCAATGACTTCAGCATGGACAACATAAGTGACA
 GTGGAGCTTCAATGAGACACCAATGCCCTTCAGGAAACTCTCTGGCTGATTTCTCCCTGCCTCAGAC
 TCCCCAAACAGACAACCCCTCAGAGGGCCGAGAAGGCGTCTCAAAGTCTTCAGTGACCATGGTTTCTAT
 TCTCCTTCTCCACTGGGAGATTCCCCTCCGTTGATGACCCCTTGAATATCAGGCTGGGCTCCTGG
 TGAGAATGCCATTCAACAAGCCATAGCCGAGCAGGTGGATAAGGCTGAGGTGCACACCAGCAAAGAGGG
 ATCAGAACAGCAGGAACCTGGAGCAATGGTAGAGGAAGCTGGAAGCCAGGCTCCTGGCTCTGAGAAGCCC
 CAGGGCATGTTTGCACCACCTCAGGTGTCTCCTCCCGTTCAAGAGAAAAGGGATGTATTACCAAAGATCC
 TCCCCGGGAGGACAAGACACTCAGGAAAAGGGACCCTCCCAGCCACCCACAGCTGTGCAGCCAGCGG
 TCCAGTCAACATGAAAGAGACCAGGCTGAAGGAGGGTACTTCAGCAAATACTCAGAGGCAGCCGAGCTG
 AGAAGCACAGCCTCCCTTCTGGCTACTCAAGAGTCTGATGTCATGGTTGGGCCCTTCAAAGTGGGTCAA
 GGAAGCAGCGGACTTTGTCCATGATTGAAGAAGAGATCCGGGCAGCCAGGAAAGGGAAGGAGACTAAA
 GCGGCAAAGACAAGTGAAGCAAAGCACCCCAAGCCCCAGGGCTCAGAACGCCCCATCGCTGCCTTCCAGA
 ACCACCTGCTACAAAAGTCTCCAGGAAAATAGAGAAAAGTCAAACCTCCTCCATCCCCACAAGTGAAG
 GTCCCAGCTTGCAGCCTGACTTAGCCCTGAAGAGGCTGCCGGAGCCAGCGGCCAAGAAGCTGATGCA
 GACCCTCATGGAAGACTATGAGACACACAAATCTAAAAGGCGGAGAGAAATGGATGATAGTAGTGTCTG
 GAGGCCACTCGGGTTAATCGAAGGAAGAGTGCTCTGGCCTTGGCTGGGAGGCAGGGATTATGCCAACC
 AGGAGGAGGAGGACAATGAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001011974

Insert Size:	2613 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:	<u>NM_001011974.2</u> , <u>NP_001011974.2</u>
RefSeq Size:	6853 bp
RefSeq ORF:	2613 bp
Locus ID:	298024
Cytogenetics:	5q24