

Product datasheet for **RN208468**

Akap5 (NM_133515) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap5 (NM_133515) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akap5
Synonyms:	Akap79; AKAP150; P150
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208468 representing NM_133515
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCAGCTTTCTGAGATTCAAATCGAGACTAAGGATGAGAAGAGACCAGAAGCAGCCAGTCTCTC
 AGAAAGAGAGGCAGGAGAGAAAAACAGCCACACTGTGCTTCAAGAGAAGGAAGAAAGTGAACAAGAAGAA
 GGCCAAAGCTGGTTCCAAGACTGCTGAGGAGACAAAGAAGCATGCCCCAGAAGCTGGGGTTCTGGTCAG
 CGGCAACCAGCGGGGCCCTGGGCCTCCATTAACGCCTTGTGACACACAGGAAACCGTCCGAGTCTGCAG
 AGAAGCAGAAGCCATCTGAGGCTGAAATGCAGCCTGAGGATGGAGCTCTTCTAAGAAGAAGACAAAATC
 CAAACTTAAGATTCTTGCATACGATTCTCAAGAGGGGCAAAAGAGAAGTCGTCCTTCCAACTCACAGAA
 GATTCCAGGCTATGTCGAGTCCAGGGAGAGGCAGACGATTTGGAGATAAAAGCCAGATCCAGCCCGATG
 AGCAGGCAACCCAGGCTAAGTCCACCCAGGGCCTACAGGAAGATGTGATGGTGAAGATGGTAAGGAGAT
 CCAAGAATCACACATAAGCAACAACGTCATATCGGGAGAGCATGTGATTGCCATAGAAGTGAATTAGAA
 AAGGAATCTTCTGCTCTCCGGATGAGAATCCAGGGAGTAAAAGGAGGCTAAAGTGATTCTGGTAAAGC
 AGAGTGTTCAGGTACAGCAAGCAAGTGTGCTTGAGAATTCAGCAGCAGACAGCCCTCAGCCAGTGAATTC
 TACTGCTCCTCTCTCACCAGCAACCACACATCAACTCGGTCTGGAAGAACCAGTGACAGCATCCGGGAA
 AGTGCACCAAGTGGAAAAGATGACGGAAGGAGAAAAGACTGCTGCTGAAGAAAAGAAATCAGGAGAGACTG
 CGCTGGCCAGGCAGAGGAGGCTTCTTCAGTCAGCCAGGCAGACAAAAGTGTACTAAGCCAGGCAGAGA
 AGCTACAGTGGCCACACAGAGGAAGCTACTGTGATCCAGGCACAGAGTCAGGCAAAGGAAGGTAAGTAACTG
 AGCCAGGCAGAGGAAGCTACAGTGGCCAGGCAAAGGAAAGTGTATTGAGTCAGGCAGAGGAAGTAAACTG
 TGAGCCAGATAGAAGAACCTGCAATTAGCCAGGCAAAGAAAGTACAGTAGGACAAGCAAAGGAAGCTAT
 AGTTAGCCAGGCAGAGGAAGCTATAGTTGGTCACACAGAGAAAAGCCACCATGGGTCAAGCAGAGGAAGCT
 ACAGTTGGCCACATAGAGAAAACACAGTGGGCCAGGCAGAGGAAGCTACAGTGGGTCAAGCAGAGGAAG
 CCACAGTGGTCAAGCAGAGGAAGCCACAGTGGGTCAAGCAGAGGAAGCTACAGTTGGACAGGCAGAGGA
 AGCTACAGTTGGTCAGGCAGGGGAAGCTACAGTTAGCCACATAGAGAAAACACAGTGGGCCAGGCAGAG
 GAAGCTATAGTTGGTCAGGCAGAGGAAGCCACAGTGGGTCAAGCAGAGGAAGCCACAGTGGGTCAAGCAG
 AGGAAGCTACAGTTGGCCAGGCAGAGGAAGCCACAGTGGATCAAGCAGAGGAAGCTACAGTTGGCCAGGC
 AGAGGAAGCTACAGTTGGTCAGGCAGGGGAAGCTGCAGTTGGCCAGGCAGAGGAAGCTATAGTTGCTCAG
 GCAGAGGAAGCCACAGTTGGTCAGGCAGGGGAAGCTACAGTTGGCCAAGCAGAGAAAGCCACAGTTGGCC
 AAGCAGAGGAACCCATAGTTGGCCAGGCAGAGGAAACTGTATTGAGGCATGCATCAGATCTGAAAGTAAA
 TGGAGTTGATGCAGAGAAACCAAGATCAGAAGAAAGCAAAGAATGGAGCCAATTGCTATTATCATAACA
 GACACTGAAATCAGTGAATTTGATGTTAAGAAATCTAAAATGTCCCTAAGCAATTCCTAATTTCCATGG
 AAAATGAGCAAGTGGGGTTTTTGCTAATGATAGTGATTTTCGAGGGGAGAACTTCAGAACAGTATGAAAC
 ACTCTTAATAGAAACAGCTTCTTCTCTCGTCAAGAATGCTATCGAGTTGTCTGTAGAACAGCTGGTTAAC
 GAAATGGTTTCTGAGGATAATCAAATAAATACGCTGTTCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133515
Insert Size: 2145 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_133515.2</u> , <u>NP_598199.2</u>
RefSeq Size:	2700 bp
RefSeq ORF:	2145 bp
Locus ID:	171026
Cytogenetics:	6q24