

Product datasheet for **RN217367**

Aak1 (NM_001173450) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aak1 (NM_001173450) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aak1
Synonyms:	RGD1563580
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217367 representing NM_001173450
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGAAGTTTTTCGACTCCAGGCGGGAGCAGGGGAGCTCTGGCCTGGGTTTCGGCTCCAGCGGAGGAG
 GGGGCAGCAGCTCAGGCCTGGGCAGTGGCTACATCGGGAGGGTCTTCGGCATCGGAGGCAGCAAGTCAC
 CGTGGACGAGGTCTTGGCAGAAGGTGGATTTCGCTCTCGTCTTTCTGGTGAGAAACAAGCAATGGGGTGAAA
 TGTGCCTTGAAACGCATGTTTGTCAACAATGAGCATGACCTTCAGGTGTGCAAGAGGGAGATCCAGATCA
 TGAGGGACCTATCAGGGCACAAGAACATTGTGGGCTACATTGATTCTAGTATCAACAATGTGAGCAGTGG
 CGACGTATGGGAAGTTCTCATTCTCATGGACTTCTGCAGAGGAGGCCAGGTGGTAAACCTGATGAACCCAG
 CGTCTCCAGACAGGCTTTACAGAGAATGAAGTGTGCAGATCTTCTGTGACACCTGTGAGGCTGTGGCCC
 GCCTGCATCAGTGCAAACTCCCATTATCCACCGGGACCTGAAGGTTGAAAATATCCTCTTGCATGACCCG
 AGGCCACTATGTCTTGTGTGACTTTGGAAGTGCCACCAACAAATCCAGAATCCACAGGCCGAGGGAGTC
 AATGCAGTAGAAGATGAGATTAAGAAATACACAACGCTCTCCTATCGAGCCCCAGAAATGGTCAACTTGT
 ACAGTGGCAAAATCATCACACGAAAGGCAGATATTTGGGCTCTTGGCTGTTTGTGTATAAATTATGCTA
 CTTCACTTTGCCATTTGGGGAGAGCCAGGTGGCAATTTGTGATGGAAGCTTCACAATTCCTGATAACTCT
 CGATATTCACAAGATATGCACTGCCTTATTAGGTATATGTTGGAACCAGACCCCTGACAAAAGGCCGATA
 TTTACCAGGTTTCTTACTTCTCATTAACTACTCAAGAAAGAATGCCAGTTCCAAATGTACAGAATTC
 TCCCATTCCTACAAACTTCTGAACAGTGAAAGCCAGTGAGGCAGCTGTA AAAAGACCCAGCCAAAG
 GCCAGACTGACAGATCCCATTCCCACACAGAGACTTCAATTGCACCCCGCCAGAGGCCCTAAAGCTGGGC
 AGACTCAGCCAAACCCCGAATCCTTCCATTCCAGCCAGCCCTGACTCCTCGTAAGAGGGCCACTGTTCA
 GCCCTACCTCAGGCTACAGGACCCAGCAATCAGCCTAGCCTTCTAGCCAGTGTTTCCAGCCTAAAGCC
 CAAGCCACGCCAGTCAACCTCTCAGTCATCTCAACCCAAGCAGCCACAAGCTCCACCCACCCACAGC
 AGACGCCTGCTCCCAGACCCAGGGTCTGCCACCCAGGCCAGGCTACTCCTCAGCACCAGCAGCAGCT
 CCTCCTCAAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAACAGCCACAGCAGCAACAGCACCA
 CCACAGCCATCAGGCACCTTTTACCAGCAGCAGCAGCCCCAGCAGCAGCAGGCTCAGACTCAGCAGTTTC
 AGGCAGTGCATCCAGCAGCCAGCAATCAGTCACTGCTCAGTTCCTGTGGTGTCCAGGGAGGCTCTCA
 GCAACAGCTGATGCAGAATTCTACCAGCAGCAGCAGCAGCAACAGCAGCAGCAACAGCTGATGGCT
 CAGCAGGCCGCCCTGCAGCAGAAGACTGCTGTGGTAGTACCACAGCCTCAGGCACAGCCAGCCACAGCCC
 CACAGGCAGCTGCTGCCAGGAGCTGCGCAGATTCAAGCCCCAGCAAGCAACAGCCAAAAGTTACAGAC
 CACTCCACCTCCAACATCCAGGGACAGAAAGTTGGCTCTCTCACTCCTCCATCATCTCCGAAAACCCAA
 CGTGCTGGGCACAGGCGGATTCTCAGTGATGTAACCCACAGTGCAGTCTTCGGGGTTCCTGCCAGCAAGT
 CAACCCAGCTGCTCCACGCGGCTGCAGCTGAGGCCAGTCTCAGTAAATCTAAGTCTGCAACCACCTCC
 TTCAGGCTCTCCACGGACTTCCCAGCAGAATGTCTCTAATGCTCCGAAGGCTCCACATGGAATCCTTTT
 GATGATGACAATTCTCCAACTCACGGCTGAAGAGCTGCTGAACAAGGATTTCCGGAAGCTTGGGGAAG
 GAAAGCTTCTGAGAAGCTTGGAGGCTCTGCAGAGAGTTTATCCAGGTTTCCAGGCAACACAAGGAGA
 TGCCTTTGCCACTTCTCCTTTTCTGCTGGAACCGCTGAGAAGAGAAAGGGGGACAGGCTGTGGATTCT
 GGATCCCACTTCTAAGTGTGTCTGATCCTTTTATTCTTCTCAGGTACCTGATGCTCCAGAAAACTAA
 TCGAGGGACTCAAATCTCCTGACACTTCTCTTCTGCTCCCTGACCTTTCCTATGACAGATCCTTTTGG
 CAGCACTTCCGATGCTGTGATTGAAAAAGCTGATGCTGCTGTTGAGAGTCTCATACCTGGGCTGGAGCCA
 CCTGTTGCCAGCGCCTCCCATCTCACACGGAATCTGTGACTTCAAACCGCACAGACTCTCTCACGGGGG
 AAGACTCTCTCCTTACTGTTCTCTGCTTTCTAACCCTACTGCTGACCTTCTGGACGAGTTTGCCCCAT
 AGCACTCTGCTTCCACTCATAAAGCTGCAGAAGATAGTAATCTCATCTCAGGGTTTGGTGTGCTGAG
 GGCTCCGAAAAGGTGGCAGAAGATGAGTTTGACCCTATTCTGTACTGATAACCAAAAACACACAAGGTG
 GGCACCTAGGAACAGCAGTGGGAGCTCTGAGTCCAGTCTCCCAACCTAGCCAGGCTTTGCTGCTGGT
 GGATCAGCTCATAGACCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001173450
Insert Size:	2892 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001173450.1</u> , <u>NP_001166921.1</u>
RefSeq Size:	7976 bp
RefSeq ORF:	2892 bp
Locus ID:	500244
Cytogenetics:	4q34