

Product datasheet for **RN213135**

Akt2 (NM_017093) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akt2 (NM_017093) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN213135 representing NM_017093
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAGGTATCTGTATCAAGAAGGCTGGCTCCACAACCGTGGTGAATACATCAAGACCTGGAGGC
 CCCGGTACTTCTCTGAAGAGTGATGGATCTTTTATTGGGTATAAAGAGAGACCTGAGGCCCCGACCA
 GACCTACCCCCCTTAACAATTTCTGTAGCAGAATGCCAGCTGATGAAGACTGAGAGGCCACGACCC
 AACACCTTTGTACATCGCTGCCTGCAGTGGACCACAGTATCGAGAGGACCTTCCATGTCGACTCTCCAG
 ATGAGAGGGAAGAGTGGATACGGGCTATCCAGATGGTAGCCAACAGTCTGAAGCAGCGGGCCCCGGGA
 GGATGCCATGGATTACAAGTGTGGCTCCCCAGTACTTCCACATCTGAGATGATGGAGGTAGCGGTC
 AGCAAGGCACGGGCCAAAGTGACCATGAACGACTTCGATTATCTCAAACCTCTCGCAAGGGCACCTTCG
 GCAAAGTCATTCTAGTTCGAGAGAAGGCCACTGGCCGCTATTATGCCATGAAGATCTCGGAAGGAGGT
 CATCATTGCAAAGGATGAAGTCGCCACACAGTACAGAGAGCCGAGTCTACAGAATACCAGGCACCCC
 TTCTTACAGCCCTGAAGTATGCCTTCCAGACCCATGACCGCCTGTGCTTTGTGATGGAGTATGCCAACG
 GGGCGACCTGTTTTCCACCTCTCTCGGGAGCGAGTCTTACGGAGGATCGGGCACGCTTTTATGGTGC
 AGAGATTTGTGACGCTCTGGAGTACTTGCACCTCGACGGATGTGGTGTACCGCGACATCAAGCTGGAAAAC
 CTTATGCTGGACAAAGATGGCCACATCAAGTCACTGACTTTGGCTTGTCAAAGAGGGCATCAGTGATG
 GGGCCACCATGAAAACCTTCTGTGGTACCCCGGAGTACTTGGCGCTGAGGTGCTAGAGGACAATGACTA
 CGGGCGTGCAGTGGACTGGTGGGACTGGGCGTGGTCAGTACGAGATGATGTGCGGCCCGCTGCCCTTC
 TACAACAGGACCAGAGCGCTCTTCGAGTCTATCCTCATGGAGGAGATCCGGTCCCACGCACGCTTG
 GGCCAGAGGCCAAGTCCCTGCTGGTGGACTGCTCAAGAAGGACCCCAAGCAGAGGCTCGTGGGGTCC
 CAGTGATGCCAAGGAGGTATGGAGCATCGGTTCTTCTCAGCATCAACTGGCAGGATGTGGTACAGAAG
 AAGCTCTGCCACCCTTCAAACCTCAGGTCACTTCAGAAGTGGACACAAGTACTTTGATGATGAATTCA
 CCGCCAGTCCATCAATCACACCCAGACCGATATGACAGCCTGGGCTCGTGGAACTGGACCAGCG
 CACACACTTCCCCAGTTCTCTACTCAGCCAGCATCCGAGAG**TGA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017093
- Insert Size:** 1446 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:**
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_017093.1](#), [NP_058789.1](#)
RefSeq Size: 1984 bp
RefSeq ORF: 1446 bp
Locus ID: 25233
UniProt ID: [P47197](#)
Cytogenetics: 1q21
Gene Summary: may be involved in phosphatidylinositol 3-kinase (PI3-K) mediated signaling [RGD, Feb 2006]