

Product datasheet for **RN208375**

Akt3 (NM_031575) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akt3 (NM_031575) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akt3
Synonyms:	Pkbg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208375 representing NM_031575
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGATGTTACCATCGTTAAAGAAGACTGGGTTCCAGAAGAGGGGAGAATATATAAAAAATTGGAGGC
 CAAGATACTTCCTTTGAAGACAGACGGCTCATTATAGGCTATAAAGAGAAACCTCAAGATGTGGACTT
 ACCTTATCCCCTCAACAATTCTCAGTGCCAAAATGTCAATTAATGAAAACAGAACGACCAAGCCAAAT
 ACATTTATTATCAGATGTCTTCAGTGGACCACTGTTATAGAGAGAACATTTTCATGTAGATACTCCAGAGG
 AAAGAGAAGAATGGACAGAAGCTATCCAAGCTGTAGCCGATCGACTGCAGAGGCAAGAAGAGGAGAGGAT
 GAATTGTAGTCCAACGTCACAGATTGATAATATTGGAGAGGAAGAGATGGATGCATCTACAACCCATCAT
 AAAAGAAAACAATGAATGATTTTGACTATTTGAAACTGCTAGGTAAGGCACTTTTGGGAAGGTTATTT
 TGGTTCGAGAGAAGGCAAGTGGAAAATACTACGCTATGAAGATTCTGAAGAAAGAAGTCATTATCGCAA
 GGATGAAGTGGCACATACTCTGACTGAGAGCAGAGTTCTAAAGAACCAGACATCCATTTCTAACATCC
 TTGAAATATTCCTTCCAGACAAAAGACCGTTTGTGTTTTGTGATGGAATATGTTAATGGGGGAGAGCTGT
 TTTTCCATTTGTGCGAGAGAGCGGGTCTCTGAGGACCCACACGTTTCTATGGTGCAGAAATTGTCTC
 TGCTTTGGACTATCTACATTCTGGAAAGATTGTGTACCGAGATCTCAAGTTGGAGAATTTGATGCTAGAT
 AAGGATGGCCATATAAAATTACGGATTTTGGACTTTGCAAAGAAGGGATCACAGATGCAGCTACCATGA
 AGACATTCTGTGGTACACCAGAGTATCTGGCACCAGAGGTATTAGAAGATAATGACTATGGCCGAGCTGT
 GGACTGGTGGGCGCTAGGTGTTGCATGTATGAAATGATGTGTGGGAGGTTGCCTTTCTACAACCCAGGAT
 CATGAGAAACTCTTTGAACTAATACTCATGGAAGACATCAAATCCCCGAACACTCTCTTCAGATGCAA
 AGTCATTGCTTTTCAGGGCTCTTGATAAAGGATCCAAATAAACGCCTTGGTGGAGGCCAGATGATCCAAA
 AGAGATAATGAGGCACAGTTTCTTTCTGGAGTAAACTGGCAGGACGTATATGACAAAAAGCTTGTACCT
 CCTTTTAAAGCCTCAAGTAACATCTGAGACAGACACCAGATATTTTCGATGAAGAATTTACAGCTCAGACTA
 TTACAATAACACCACCTGAAAAGTGTCCACTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031575

Insert Size: 1365 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_031575.1](#), [NP_113763.1](#)
RefSeq Size: 1548 bp
RefSeq ORF: 1365 bp
Locus ID: 29414
UniProt ID: [Q63484](#)
Cytogenetics: 13q25
Gene Summary: kinase that associates with both protein kinase C subspecies and beta gamma subunits of G proteins [RGD, Feb 2006]