

Product datasheet for **RN210065**

Akt1s1 (NM_001106259) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akt1s1 (NM_001106259) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akt1s1
Synonyms:	PRAS40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210065 representing NM_001106259 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTGGCGGCCAGAGAACTGTGGGAAGCCGTTGTGGGTGCCGCCGAGCGCTTTCGGGCCCGCA
CTGGCACGGAGTTGGTGTACTGACAGCAGCACCCGCCGCCGCCAGGGCCCTGTGCCTATGC
TGCCCATGGCCGAGGAGCCCTGGCAGAGGCCGCCGCCGCTGCCACGACATCGCCAGGCACACAGG
GCTGCCACTGCCACCCGACCTCCTGGTCCCCACCAGCACACAGCCACCCAGCCCGCTCTAGCTCAC
CACCTCGGCCAGCCTTGCCAGGAGGAAGATGAGGAAGATGAAGACGAGCCACTGAAACAGAGACATC
TGGAGAGCGGCTGGCGGTAGCGATAATGGAGGTCTTTCATGATGGATGAGGATGCCACCTCCAGGAC
CTTCCCCCTTCTGCGAGTCAGACCCGGAAGCACAGATGACGGCAGCCTGAGTGAGGAGACACCCGCCG
GTCCCCAGCCTACCCAAACTCCCGGTACAGCCCTGCCTACCCAGCAGTATGCCAAGTCTCTGCCCGT
GTGGTGCCAGTGTGGGCCTTCAAGGAGAAGAGGACAGAAGCCCGATCGTCAGATGAGGAGAATGGCCCG
CCCTCCTCGCCGACCTAGACCGAATAGCGGCTAGCATGCGCGCCTAGTGCTGCGGGAGGCTGAGGACA
ATCAGGTCTTTCGGGACCTTCCGCGCCCGGCTCAATACCAGCGACTTTCAGAAGCTGAAGCGAAAATA
T**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001106259
Insert Size:	774 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001106259.3](#), [NP_001099729.2](#)

RefSeq Size: 1599 bp

RefSeq ORF: 774 bp

Locus ID: 292887

Cytogenetics: 1q22