

Product datasheet for **SC202650**

AKT3 (NM_181690) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AKT3 (NM_181690) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKT3
Synonyms:	MPPH; MPPH2; PKB-GAMMA; PKBG; PRKBG; RAC-gamma; RAC-PK-gamma; STK-2
ACCN:	NM_181690
Insert Size:	254 bp
Insert Sequence:	>SC202650 3'UTR clone of NM_181690 The sequence shown below is from the reference sequence of NM_181690. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGTGGCATGCTGGGTAAGTGGAAAAATAAAAAATCGGCTTCCTACAGCCAGCAGCACAGTCACCCA TGGAAGTGTGGCTTTGGATTAATGTGGAATTGAACGACTACCCAGAAGTGTCTGAAAGAAGCGAG ATGTGTGGCCTGCCTCACCGTCCTACCCATCAAAGCACCAGCAGGCAGTTAACTCGAATTCTCACA AGGAAAAGGCCATTAAAGCTCAAGGTGCATTTCAAACCTCCAGGCTAC ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_181690.2</u>



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Summary: The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

Locus ID: 10000

MW: 9.8