

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
Symbol:	AKT3
Synonyms:	MPPH; MPPH2; PKB-GAMMA; PKBG; PRKBG; RAC-gamma; RAC-PK-gamma; STK-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_181690
Insert Size:	254 bp
Insert Sequence:	<p>>SC202650 3'UTR clone of NM_181690</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC TGTGGCATGCTGGGTAAGTGGAAAAAATAAAAAATCGGCTTCTACAGCCAGCAGCACAGTCACCCA TGGAACTGTTGGCTTTGGATTAAATGTGGAATTGAACGACTACCCAGAAGTGTCTGGAAAGAAGCGAG ATGTGTGGCCTGCCTACCGTCCTACCCATCAAAAGCACCAGCAGGCACGTAACTCGAATTCTCACA AGGAAAAGGCCATTAAAGCTCAAGGTGCATTTCAAACCTCCAGGCTAC ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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