

Product datasheet for **SC220977**

AKT2 (NM_001626) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AKT2 (NM_001626) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKT2
Synonyms:	HIHGHH; PKBB; PKBBETA; PRKBB; RAC-BETA
ACCN:	NM_001626
Insert Size:	2000 bp



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Insert Sequence:

>SC220977 3'UTR clone of NM_001626

The sequence shown below is from the reference sequence of NM_001626. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCTCCTACTCGGCCAGCATCCGCGAGTAGCAGTCTGCCACGCAGAGGACGCACGCTCGTGCCATC
ACCGCTGGGTGGTTTTTCCCCCTAACTTTTTACTTAGCCTTTTTGGTTTGTGTCCCCACCCCACTC
CTCACCCCTTTCCAGTTCTTCTCAGGCCCTCCAGACGCACCCAGCGGCCCTGCAGCCCCTGCC
TCCAGCCTCCAGCCTCACCTTTGTGCCAGACTCGCATTGGAAGACTCCACCTCCCGCCAGGCCCTGG
GCTGTTGGGCGGTTGGAGATTAGGTTTTAATCCACACAAGCCCCAGTGAGGGGTGAAGCATGGCGCCT
GGGGCCTGCCTGAGTTTCTGGCCTGGGTGCTGCTGGTGTGCTGCCCTCCGCGCTGCTGCATCTGGACGA
AGGCTGCCTTCTGGTGGACGCGACACCCGGCAGACAGTGGTGTGCTTCCAGGCCCTGGCCTAGG
CTCGGAGTGGCCAGGCACGGGGCGGTCCAATCCCCACCCGCTGTCCCCATGAGGGGCAGAAAAGCAA
TAATGTCCAGGGGAGGCAGGGGCCCTTGGGAGCTGCAGGGCTGGGGGTTAGGGGTGCTCCCTGGTGAA
TGGAGTCAGATCCTAGGATCTGTACCATGGGGAACCAGGAGTGGCCGGGCTGGGTGCCGCCCTCTGGTC
CGGCCTCTCCCCACAACTGTCTCACCTATGGATGAGGCAGGAGGAACATTTGGGGCCAAACCTG
CCTGCCTCCAGCCCCGTGCCTTACTAGGGCTTCTTCCAGCTGGCCTTACCTCCCGCTGGACCCTGGG
CCTGGCCTGGCCCCACTGGGGGCTATGGGCTGGGCTCACCTCTCCTCTGCGGGGTGGAGGGCCACCA
GCCTTGGCTGTTACAATTTACACCGGACAGTATGGGCCCATGGACTTGGTCAGGGAGGGGTGGGGG
TGGGCATCTCTGGTACCTATTGGGGTGGGGGCCCTCTGAAAAGGGAGGCTCCTAGGCCCTCACCCC
TCCCTCTCCCCAGGGCCCCAGTCTGACGCCTAAGGTTGAACATGAGTGCACGTCCATGTCAGTGTG
GTGGGACTCCTGTGCGTGCCTCGGACTGCGTGTGTCGGCGGGACGCAGGCACACGTGGGTGTGTGTGCA
TGTGTGTTTGTGTGAGGGCAGCGTGTCTCCAGTGTGCATGGTGTGTGGGCTTGGCCCCATCCCTGGC
CCGAGCATTTCATCCTGTGGGGAGGGGTGCTGACCTAGTGGGAGGAGCCCCACTGTGATCCATGAGCT
GCCCTGCCACGCCTCCCTCCCTGTAGCAACACCTCTGGGTGTTTGGAGTTTAGCTTTTGGGTTTG
CTCTCCCTATCCCATCTCCTGTACTACACAGTTTATGGCAGGGTGGGAGGGGTGGGGTGGTTCCGGT
GGGTGAGGGTCTTTTCTCTGTGTGCGATGTTGTTATCTGACAGTTCTCCGTCCTACTGGCCTTTCT
CCTCGTCTTCATATTTGTACGGTACAAGCAATAAAGACTCATTTCAGACCAGGGCCCAGCCTGCACT
CACGCCAGCCCAACCACTCTGGGCTTTGCCTTGGTGTGATGGAGTCAAGCCCTGGGCCCCAGCTCCTCCT
GTACTAGCCGTTCCCTTACAGCAAGGAGGGCACTGAGCTCAGGGTGAAGGCAGCTGGGGTGTGTGAGGA
GCTCAGGCTGGAGAGGGTGGGTGGAGCTGGTGTGTTGGGGCTGAGGGGTATGGGAAGGCTCCCCGCATG
TGGGGGTGGGGTGGACAGAGACCACTCCAGGCCCTCAGTGTGCTTAGGCTAAGAGAGGTGGGGTGGAG
GGACAGGGCTGGAAGATCTGGGTAGCCAGAAATGAGGAGGGTGCCTGTGCTGTCCTGAATGAGAGGGA
GTGGTTTATTCCACCCGGCTGCCGAGCCTCAGAGGGGGGCATTCTATCTGCCCCACCTCCCTGTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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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:

NM_001626.6

Summary: This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains, which is involved in signaling pathways. The gene serves as an oncogene in the tumorigenesis of cancer cells. For example, its overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins, and has also been implicated in insulin signaling. [provided by RefSeq, Nov 2019]

Locus ID: 208

MW: 69.4