

## Product datasheet for **SC212414**

### PRKAG2 (NM\_016203) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PRKAG2 (NM\_016203) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PRKAG2  
**Synonyms:** AAKG; AAKG2; CMH6; H91620p; WPWS  
**ACCN:** NM\_016203  
**Insert Size:** 1104 bp  
**Insert Sequence:** >SC212414 3'UTR clone of NM\_016203  
The sequence shown below is from the reference sequence of NM\_016203. 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
GCCAAACAAAAGGAGACAGAAACGGAGTGA CCGCCGTGAATGTAGACGCCCTAGGAGGAGA AACTTGAAC
AAAGTCTCTGGGTCACGTTTTGCCTCATGAACACTGGCTGCAAGTGGTTAAGAATGTATATCAGGGTTT
AACAAATAGGTATTTCTTCCAGTGATGTTGAAATTAAGCTTAAAAAAGAAAGATTTTATGTGCTTGAAGA
TTCAGGCTTGCAATAAAAGACTGTTTTTCAGACCTTTGTCTGAAGGATTTTAAATGCTGTATGTCATTAA
AGTGCACTGTGCTCCTGAAGTTTTTCATTATTTTTTCATTTCAAAGAATTCCTGATGGAACAGGTGATG
TGGCATAAGGTGAGTGACGGTATGTTTCAGATCACAGTGCCTTATGTCCGAATACAGCAATATGTCACC
GCCGCAGCCGGGGCGCACGCGTGTGAAACAACACCGAGCTTGAATGTGGAAGTCTTTGAACCTTTTACC
AAATCAGTTTGTCTTTAGATTTGTCAAAAAGTTGTAATTTGAATATAAATAATTACTTTAAAATTG
TAATGACACTTTTACACGTAAGTGTGTTTCTGGGCTACCGTGTCAACGAGGCTGCTTTACAACAGCT
TTATTTATTTTTACTTTTCATGCAATTTTTTTACACATCTTTTGGTGGAGTAACTTCACCACATCCATG
AATAAACTCTCAGTTATTTTGAATGGCAAATTTCTCATTATTTAAGTTTGGATCTGAAAAGGACATGA
CTTCTGAAATAGCCGCTGCTGGGTTTTAAAAGCTGAGGTCTCTCAAAGTGTGGAGGAGACGTTGCCGTC
AGCGGGAGCCAAGTGCCGGGAAGATGTCTATTTTTTTCTTGTGTATTGAAATGAAAAATCATGATGT
TTGTTATGACTGCTGATGCGATTGTTTTGTAAATTTTATTGTGGCATATACAGTATTGTCATACAGTT
GAAGAGAAAACATGTTTCCCTAATGTAAGTGTCTGAAAATGTTGACACTGTATATATATATATGAGGAT
AGTTTGTTTTTTTTTGTTTTGGGTTTTTTTTTTCAGATTGAAAAATAAAATAGATCCTACTACTCTA
AGCGGACCGACTTACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCG
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**Restriction Sites:** SgfI-RsrII



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_016203.4</a></u>
<b>Summary:</b>	AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK gamma subunit family. Mutations in this gene have been associated with Wolff-Parkinson-White syndrome, familial hypertrophic cardiomyopathy, and glycogen storage disease of the heart. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jan 2015]
<b>Locus ID:</b>	51422
<b>MW:</b>	42.7