

Product datasheet for **SC212412**

PRKAG2 (NM_024429) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PRKAG2 (NM_024429) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PRKAG2
Synonyms: AAKG; AAKG2; CMH6; H91620p; WPWS
ACCN: NM_024429
Insert Size: 1104 bp
Insert Sequence: >SC212412 3'UTR clone of NM_024429
The sequence shown below is from the reference sequence of NM_024429. 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
GCCAAACAAAAGGAGACAGAAACGGAGTGAACCGCCGTGAATGTAGACGCCCTAGGAGGAGAAGTGAAC
AAAGTCTCTGGGTCACGTTTTGCCTCATGAACACTGGCTGCAAGTGGTTAAGAATGTATATCAGGGTTT
AACAAATAGGTATTTCTTCCAGTGATGTTGAAATTAAGCTTAAAAAAGAAAGATTTTATGTGCTTGAAGA
TTCAGGCTTGCATTAAAAGACTGTTTTTCAGACCTTTGTCTGAAGGATTTTAAATGCTGTATGTCATTAA
AGTGCACTGTGCTCCTGAAGTTTTTCATTATTTTTCATTTCAAAGAATTCAGTGGTATGGAACAGGTGATG
TGGCATAAGGTGAGTGACGGTATGTTTCAGATCACAGTGCCTTATGTCCGAATACAGCAATATGTCACC
GCCGCAGCCGGGGCGCACGCGTGTGAAACAACACCGAGCTTGAATGTGGAAGTCTTTGAACCTTTTACC
AAATCAGTTTGTCTTTAGATTTGTCAAAAAGTTGTAATTTGAATATAAATAATTACTTTAAAATTG
TAATGACACTTTTACACGTAAGTGTCTTGTCTGGGCTACCGTGTCAACGAGGCTGCTTTACAACAGCT
TTATTTATTTTACTTTTCATGCAATTTTTTTACACATCTTTTGGTGGAGTAACTTCACCACATCCATG
AATAAACTCTCAGTTATTTTGAATGGCAAATTTCTCATTATTTAAGTTTGGATCTGAAAAGGACATGA
CTTCTGAAATAGCCGCTGCTGGGTTTTAAAAGCTGAGGTCTCTCAAAGTGTGGAGGAGACGTTGCCGTC
AGCGGGAGCCAAGTGCCGGGAAGATGTCTATTTTTTTCTTGTGTATTGAAATGAAAAATCATGATGT
TTGTTATGACTGCTGATGCGATTGTTTTGTAAATTTTATTGTGGCATATACAGTATTGTCATACAGTT
GAAGAGAAAACATGTTTCCCTAATGTAAGTGTCTGAAAATGTTGACACTGTATATATATATATGAGGAT
AGTTTGTTTTTTTTTTTTTTTTTTTTTTTTTCAGATTGAAAAATTTAAAATAGATCCTACTACTCTA
AGCGGACCGACTTACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTTCGATTCCACCGCCG
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Restriction Sites: SgfI-RsrII



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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_024429.2</u>
Summary:	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]
Locus ID:	51422
MW:	42.7