

Product datasheet for **RN201785**

Prkag1 (NM_013010) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prkag1 (NM_013010) Rat Untagged Clone
Tag: Tag Free
Symbol: Prkag1
Synonyms: Prkaac; Prkga1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201785 representing NM_013010
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCGGTTGCTGCAGAGAGCGCTCCAGCTCCGGAGAATGAACACTCTCAAGAGACCCCGAATCGA
ACAGTAGTGTACACCACCTTCATGAAGTCTCATCGCTGCTATGACCTGATCCCCACAAGTCCAAGCT
GGTGGTATTTGACTTCGCTGCAGGTAAGAAAGCCCTCTTTGCCCTGGTGACTAACGGTGTTCGTGCT
GCCCTTTGTGGGATAGTAAGAAGCAGAGCTTTGTGGCATGCTGACCATCACTGACTTCATCAATATTC
TGCACCGATACTACAAGTCAGCCCTGGTGCAGATCTATGAACTGGAGGAGCACAAGATAGAGACTTGGAG
AGAGGTCTACCTGCAAGACTCCTTAAGCCACTTGTCTGCATTTCTCAAATGCCAGCTTGTTCGATGCT
GTCTCTTCATTAATTCGAAATAAGATCCACAGGCTTCCAGTTATTGACCCGGAGTCAGGCAACACCTTGT
ACATTCTACTCACAAGCGGATCCTCAAGTTCCTCAAGTTGTTTACTACTGAGTCCCAAGCCGGAATT
CATGTCTAAGTCTCTGGAAGAGCTACAGATTGGCACCTACGCCAATATTGCCATGGTCCGTACCCTACA
CCTGTCTATGTGGCTCTGGGCATCTTTGTACAGCACCGAGTCTCCGCCTTGCTGTGGTGGATGAGAAAG
GGCGTGTGGTGGACATCTACTCAAGTTTGTATGTGATTAATTTGGCAGCAGAAAAGACATACAACAACCT
AGATGTGTCTGTGACAAAAGCCCTACAGCACCGGTCACACTACTTCGAGGGTGTCTCAAGTGTCTACCTA
CATGAGACTCTAGAAGCAATCATCAATAGACTGGTGAAGCAGAGGTTCCCGTCTGGTGGTGGTGGATG
AACATGACGTGGTCAAGGGCATTGTATCGCTGTCTGACATCTTACAGGCTCTGGTGTCTACAGGTGGAGA
GAAGAAGCC**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013010



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Insert Size:	993 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_013010.2</u> , <u>NP_037142.1</u>
RefSeq Size:	1611 bp
RefSeq ORF:	993 bp
Locus ID:	25520
UniProt ID:	<u>P80385</u>
Cytogenetics:	7q36
Gene Summary:	non-catalytic component of the heterotrimeric AMP-activated protein kinase; may phosphorylate and inactivate enzymes involved in lipid metabolism; may play a role in response to metabolic stress [RGD, Feb 2006]