

Product datasheet for RN209308

Pdk2 (NM_030872) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdk2 (NM_030872) Rat Untagged Clone
Tag: Tag Free
Symbol: Pdk2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209308 representing NM_030872
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCTGGTTCGGGCGCTGTGAAGAATGCGTCCCTGGCAGGGGCGCCCAAGTACATCGAGCACTTCA
 GCAAGTTCTCCCGTCCCGCTGTCCATGAAGCAGTTTCTAGACTTCGGATCCAGCAATGCCTGCGAGAA
 AACTTCATTCACCTTCTCCGGCAGGAGCTGCCGTGCGCTGGCCAACATCATGAAAGAGATCAACCTG
 CTTCTGACCGGGTGTGAGCACCCCTCAGTGCACCTGGTGCAGAGCTGGTATGTCAGAGTCTGCTGG
 ACATCATGGAATTCCTGGACAAGGACCCGAGGACCACCGGACCCTAAGCCAGTTCAGTATGCCCTGGT
 CACCATCCGGAACCGGCACAATGACGTAGTGCCACCATGGCACAGGGAGTGTGGAGTACAAGGACACC
 TATGGTATGACCCAGTCTCCAACCAGAACATCCAGTACTTTTTGGACCGCTTCTACCTCAGCCGATCT
 CTATCCGCATGCTCATTAAACCAGCACACCCTCATCTTTGATGGCAGCACCAACCCAGCCACCCAAACA
 CATTGGCAGCATTGATCCCAACTGCAGCGTGTCTGATGTGGTAAAGATGCCTATGACATGGCTAAGCTC
 CTGTGTGACAAGTATTACATGGCTTCCCCTGACCTGGAGATCCAGGAAGTCAATGCCACCAACGCCACCC
 AGCCATTACATGGTCTACGTCCCTCCACCTCTACCACATGCTCTTTGAACTCTTCAAGAATGCCAT
 GCGGGCCACAGTGGAAAGCCACGAGTCCAGCCTACTCTCCCTCCCATCAAATCATGGTGGCCCTCGGT
 GAAGAAGATCTGTCCATCAAATGAGTGACCGAGGCGGGGTGTCCCCTTGAGGAAGATCGAGAGGCTCT
 TCAGCTACATGACTCTACAGCTCTACACCCAGCCTGGCACTGGGGTACCCCGCTGGCTGGCTTTGG
 GTATGGACTCCCCATTTCCCGCTCTACGCCAAGTACTTCCAGGGGACTTGCAGCTCTTCTCTATGGAG
 GGCTTTGGGACAGATGCTGTCTATCTGAAGGCCCTGTCCACGGACTCAGTGGAGCGCTGCCTGTCT
 ACAACAAGTCTGCCTGGCGCCACTACCAGACCATCCAGGAGGCCGGTACTGGTGCCTGCCAGCACAGA
 GCCCAAGAACACATCGACGTATCGGGTCAGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_030872
Insert Size:	1224 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:	NM_030872.1 , NP_110499.1
RefSeq Size:	2207 bp
RefSeq ORF:	1224 bp
Locus ID:	81530
UniProt ID:	Q64536
Cytogenetics:	10q26
Gene Summary:	catalyzes the phosphorylation and inactivation of the pyruvate dehydrogenase complex; plays a role in the regulation of glucose oxidation [RGD, Feb 2006]