

Product datasheet for **RN201641**

Bckdk (NM_019244) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Bckdk (NM_019244) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Bckdk
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN201641 representing NM_019244
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATACTGACTTCAGTGTGGCAGCGGCCCTCGGAGCGGGTCTTCACTTTGGCCCTCTTGGGGTCT
 CACTGTCACTCCGGTTCGCTCAACATCAGCCACCGATACACCATGTAGAGCTGGCCAGGGAACGCTC
 CAAGACTGTTACCTCCTTTACAACAGTCAGCTATTGACGTGGTAGCAGAGAAGCCCTCAGTCCGCCTC
 ACTCCCACCATGATGCTCTATTCTGGTCGCTCACAGGATGGCAGCCACCTTCTGAAAAGTGGTCGCTACT
 TGCAGCAAGAGTTACCGGTGAGGATCGCTCACCGCATCAAGGGCTTCCGTAGTCTTCTTTCATCATTGG
 TTGCAACCCTACCATACTGCATGTGCACGAGCTATACATCCGGGCCTTCCAGAAGTTGACAGACTTCCCT
 CCGATCAAGGACCAGGCAGACGAAGCCAGTATTGCCAGCTGGTGCACAGCTGCTAGATGACCACAAGG
 ATGTGGTAACCCTGTTAGCTGAGGGTCTGCGTGAGAGCCGAAACACATAGAGGATGAAAAGCTGGTCCG
 CTACTTCTGGATAAAACACTAACGTCCAGACTGGGATCCGAATGCTGGCTACTCACCCTTGGCGCTA
 CATGAAGACAAGCCTGATTTTGTGGCATCATCTGCACTCGTCTGTACCCAAGAAGATTATTGAGAAGT
 GGGTGGATTTTGGCAGACGCCTGTGCGAGCACAAGTATGGCAATGCCCTAGAGTCCGCATCAATGGGCA
 CGTGGCTGCCCGTTTCCCTTATTCTATGCCGCTGGACTATATCCTGCCTGAGCTGCTCAAGAAGCC
 ATGAGAGCCACAATGGAGAGTCACCTAGACACGCCCTACAATGTTCTGTATGTGGTCATCACCATCGCCA
 ATAACGATGTGGATCTCATCAGGATCTCAGACCGGGTGGAGGAATCGCTCATAAAGGACCTGGATCG
 GGTGATGGACTACCCTTACCACAGCTGAGGCCAGCACCAGGACCCCGAATCAGCCCCCTCTTCGGC
 CACCTGGATATGCACAGTGGTGGCAATCAGGACCTATGCATGGCTTTGGCTTCGGGTTGCCACGTCCA
 GGGCTATGCGGAGTATCTCGTGGCTCCCTGCAGCTGCAGTCCCTGCAGGGCATTGGCACAGATGTCTA
 CCTACGGCTCCGCCACATTGATGGCCGGGAGGAAAGCTTCAGAAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_019244
Insert Size:	1239 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_019244.2 , NP_062117.2
RefSeq Size:	1816 bp
RefSeq ORF:	1239 bp
Locus ID:	29603
UniProt ID:	Q00972
Cytogenetics:	1q37
Gene Summary:	mitochondrial kinase; involved in oxidative degradation of branched-chain amino acids [RGD, Feb 2006]