

## Product datasheet for MC207237

### Bckdk (NM\_009739) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Bckdk (NM\_009739) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Bckdk  
 Synonyms: A1327402  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC207237 representing NM\_009739  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATACTGACTTCAGTGTGGGACGGCCCTCGGAGCTGGTCTTCACCTTTGGCCCTCTTGGGGTCT  
 CACTGTCACTCCGGGCTCGCTCAACATCAGCCACCGATACACACCATGTAGAGCTGGCCAGGAACGCTC  
 CAAGACTGTCACCTCTTTTACAACCAGTCAGCCATTGATGTGGCAGCAGAGAAGCCCTCAGTTCGCCTC  
 ACTCCCACCATGATGCTCTATCCGGTTCGCTCACAGGATGGCAGCCACCTTCTGAAAAGTGGCCGCTACT  
 TGCAGCAAGAGTTACCAGTGAGGATTGCTCACCGCATCAAGGGCTTCCGTAGCCTTCTTTCATCATTGG  
 TTGCAACCTACCATACTGCATGTGCACGAGCTATACATCCGGGCCTTCCAGAAGCTGACAGACTTCCCT  
 CCGATCAAGGACCAGGCAGATGAGGCCAGTACTGCCAGCTGGTGGAGACAGCTGCTAGATGACCACAAGG  
 ATGTGGTGACCTGTTAGCTGAGGGTCTTCGTGAGAGCCGAAACACATCCAGGATGAAAAGCTAGTCCG  
 GTACTTCTGGATAAAACACTGACGTCAAGACTTGGGATCCGAATGCTGGCTACTCACCCTTGGCGCTA  
 CATGAAGACAAGCCTGATTTTGTGGCATCATCTGTACTCGTCTGTGCCCAAGAAGATTATCGAGAAGT  
 GGGTGGATTTTGGCAGACGCTGTGTGAGCACAAGTATGGCAATGCCCTCGAGTCCGATCAACGGACA  
 TGTGGTGCCTGGTTCCCTTTCATCCCATGCCGCTGGACTATATCCTGCCTGAGCTGCTCAAGAAATGCC  
 ATGAGAGCCACAATGGAGAGTCACCTAGACACTCCCTACAATGTCCAGATGTGGTCATCACCATCGCCA  
 ATAATGATATTGATCTCATCAGGATCTCAGACCGGGTGGAGGAATCGCTCATAAGGACCTGGATCG  
 GGTGATGGACTACCACTTACCACAGCTGAGGCCAGCACCCAGGACCCCGAATCAACCCCTCTTCGGC  
 CACCTGGATATGCACAGTGGTGGCCAGTCAGGACCTATGCATGGCTTTGGCTTCGGGTTGCCACGTCCA  
 GGGCATATGCAGAGTATCTTGGTGGCTCCCTGCAGCTGCAGTCCCTGCAGGGCATTGGCACGGATGTCTA  
 CCTACGGCTCCGCCACATTGATGGTCGGGAGGAAAGCTTCAGAATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_009739
<b>Insert Size:</b>	1239 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009739.3</a> , <a href="#">NP_033869.1</a>
<b>RefSeq Size:</b>	2857 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	12041
<b>UniProt ID:</b>	<a href="#">O55028</a>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	Catalyzes the phosphorylation and inactivation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. Key enzyme that regulate the activity state of the BCKD complex. [UniProtKB/Swiss-Prot Function]