

## Product datasheet for RN215528

### Bckdhb (NM\_019267) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bckdhb (NM_019267) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bckdhb
Synonyms:	BCKDE1B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215528 representing NM_019267 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGCGCGGTGGCTGCGCGCGCCGGTGGGCTGCTGCGGCTCGGGGCTGCAGGAGCGGAGCGCGCGCGG  
GCGGATTGCGCTGCGCTGCGCTGGTGAAGGCTTCTTGCAACCCGCTGTCGATGACGCGTCCCAGAAGCG  
GCGGGTGGCCACTTCACTTTCCAGCCGACCCAGAGTCCCTTCAGTATGGGCAAACTCAGAAAAATGAAC  
CTCTTCCAGTCAATAACAAGTGCTTGGATAACTATTGGCCAAAGACCCACTGCAAGTAAATTTGGTG  
AGGACGTTGCCTTTGGTGGAGTCTTCCGATGTACTGTTGGCTTACGAGACAAATATGGAAAAGACAGAGT  
GTTAACACCCCGTTGTGTGAACAAGGAATTGTTGGGTTTGGCATTGGAATCGCGGTCACTGGTGCTACA  
GCTATTGCGGAAATCCAGTTTGGCGACTATATTTCCCTGCCTTTGATCAGATTGTCAACGAAGCTGCCA  
AGTATCGATACCGCTCTGGCGATCTTTCAACTGTGGGAGCCTCACCATCCGGGCCCTTGGGGCTGTGT  
GGGCCATGGGGCTCTTACCATTCTCAGAGTCTGAAGCCTTTTTGCCATTGCCAGGAATCAAGGTG  
GTTATACCCAGAAGCCCTTCCAGGCCAAGGGACTTCTGTTGCATGCATAGAAGATAAAAAATCCATGTA  
TATTTTTTGAACCTAAGATACTTACCAGGCGAGCAGTGAACAGGTCCAGTAGAACCCCTACAAGATCCC  
CTTGTCTCAGGCCGAAGTCATCCAGGAGGGCAGCGATGTGACTCTGTTGCCCTGGGGCACTCAGGTTTCT  
GTCATCCGGGAGGTGGCTTCCATGGCCCAAGAAAAGCTTGGAGTGTCTTGTGAAGTCATCGATCTGCGGA  
CCATTGTGCCTTGGGATGTGGATACAGTTTGTAAAGTCTGTGATCAAACGGGGCGACTGTTGATCAGCCA  
CGAGGGCCCTTGACAGGCGGCTTTCCTCTGAGATCAGCTCCACGGTCCAGGAAGAATGTTTCTTGAAC  
CTAGAGGCTCCAATATCTAGAGTGTGTGGATATGACACCCGTTTCTCACATTTTTGAGCCCTTTTATA  
TCCAGACAAATGGAAGTGTATGATGCCCTTCGCAAGATGATCAACTACTGA

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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<b>ACCN:</b>	NM_019267
<b>Insert Size:</b>	1173 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>	<u>NM_019267.1, NP_062140.1</u>
<b>RefSeq Size:</b>	1491 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	29711
<b>UniProt ID:</b>	<u>P35738</u>
<b>Cytogenetics:</b>	8q31
<b>Gene Summary:</b>	plays a role in the conversion of 3-methyl-2-oxobutanoate and lipoamide to S-(2-methylpropanoyl)dihydrolipoamide and CO2 [RGD, Feb 2006]