

Product datasheet for **RN208247**

Bckdha (NM_012782) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bckdha (NM_012782) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bckdha
Synonyms:	BCKDA; E1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208247 representing NM_012782
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTAGCGATGTCCGCGCAAGATCTGGAGGCCGAGCCGTGGCCCTGCGCCAGGCTGCCCTCTTGC
 TGTTGGGGCGACCTGGGGCTCGGGCTTGCTAGATTCCACCCAGCAGGAGCAGCAACAGCAGTTCCC
 ATCCCTGGATGACAAGCCCCAGTCCCAGGGCCCTCTGCAGAGTTGTAGACAAGCTTGAGTTCATCCAG
 CCCAATGTCATCTCCGGCATCCCATCTACCGCGTCATGGACCGACAGGGCCAGATCATCAACCCAGTG
 AAGATCCCCACCTGCCCCAGGAGGAGTCTGAAGTTGTACAGGAGCATGACGCTGCTCAACACCATGGA
 CCGCATCTCTATGAGTCCAGCGACAGGGCCGGATCTCCTTCTACATGACCAACTATGGCGAGGAGGGG
 ACACATGTGGGGAGTGCCGCTGCCCTGGAGCGAACGGACCTGGTGTGGCCAGTACCGGGAGGCAGGTG
 TGCTCATGTACCGGGACTACCCGCTGGAGCTGTTTCATGGCCAGTGTACGGCAACGTGAGTGACCCAGG
 CAAGGGACGCCAGATGCCCGTTCCTACTACGGCTGCAAGGAGCGTCACTTCGTCACCATTTCTCTCCACTG
 GCTACGCAGATCCCTCAGGCGGTAGGGGACGCCTATGCTGCCAAGCGGGCCAATGCCAATCAGATCGTGA
 TCTGTTACTTTGGCGAGGGGGCAGCCAGTGAAGGGGATGCCACGCCGGTTTCAATTTTGTGCCACCTT
 GGAGTGTCTATCATCTTCTTCTGCCGGAACAATGGCTATGCCATCTCCACCAACCTCTGAGCAGTAC
 CGTGGGGATGGCATAGCGGCTCGGGGCCCTGGGTATGGCATCATGTCAATCCGTGTGGACGGCAACGATG
 TGTTTGGCGGTGTACAATGCCACTAAGGAGGCCGACGGCGGGCTGTGGCTGAGAACCAGCCCTTCTCAT
 TGAGGCCATGACCTACAGGATCGGGCACCACAGCACCAGTGACGACAGCTCTGCGTACCGTTCCGGTGGAT
 GAGGTCAATTACTGGGACAAGCAGGACCACCCGATCTCGAGACTGAGGCAGTACCTGCTGAACCAGGGTT
 GGTGGGATGAGGAACAGGAGAAGCCCTGGCGGAAGCAGTACGAAAGAAGGTGATGGAGGCCCTTTGAACA
 GGCTGAGCGGAAGCTAAAGCCCAACCCAAAGCCTCCTTCTCCGATGTGTACCAGGAGATGCCTGCCAG
 CTGCGCAGGCAGCAGGAGTCCCTGGCTCGGCACCTGCAGACCTACGGGGAGCACTACCCCTGGACCACT
 TTGACAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012782

Insert Size: 1341 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:

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_012782.1](#), [NP_036914.1](#)
RefSeq Size: 1690 bp
RefSeq ORF: 1341 bp
Locus ID: 25244
UniProt ID: [P11960](#)
Cytogenetics: 1q21
Gene Summary: plays a role in the conversion of 3-methyl-2-oxobutanoate and lipoamide to S-(2-methylpropanoyl) dihydrolipoamide and CO₂ [RGD, Feb 2006]