

## Product datasheet for **RR211564**

### Hadhb (NM\_133618) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hadhb (NM_133618) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hadhb
Synonyms:	TP-beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211564 representing NM\_133618  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTACCATCTTGACTTCCACTTTTAGAAACCTTTCTACTACATCAAATGGGCCTCAGATTTTCTG  
 TAAGACCTCTGAGCTGTTCTTCAAAAGTACAGTCTGCCCCAGCTGTCCAGACCAAGTCAAAGAAGACTTT  
 AGCAAAACCTAATCTAAAGAACATTGTGGTGGTGAAGGTGTCCGAATTCATTCTGCTGTCAGGCACT  
 TCGTATAAAGACCTAATGCCACATGATTTGGCTAGAGCCGCATTTCCGGTTTGTGTATCGGACCAATA  
 TTCCAAAGGATGTTGTTGATTATATCATTTTTGGTACAGTTATTCAGGAAGTAAAAACAAGCAATGTGGC  
 TAGAGAGGCTGCCCTGGGAGCTGGCTTCTCTGATAAGACTCCAGCTCACACTGTCACCATGGCTTGATC  
 TCTTCAAACCAAGCCATGACCACAGCTGTTGGTCTGATAGCTTCTGGCCAGTGTGATGTCGTCGTTGGCTG  
 GTGGTGTGAGTTAATGTCTGACGTCCCTATTCGTCATTCAAGAAATATGAGGAAATGATGCTTGATCT  
 CAATAAGCCAAGACTCTGGCCAGCGCTGTCCTTACTACTAAATTCAGATTGAATTTCTGTCCCT  
 GAGCTCCCTGCAGTGGCTGAGTTCTCCACTAACGAGACAATGGGCCACTCTGCCGACCGTCTGGCTGCTG  
 CCTTGTCTGTTTCTGAATGGAACAGGATAAATATGCACTGCGTTCTCACAGTCTGGCCAAGAAGGCACA  
 GGATGAAGGACATCTTCTGATATTGTACCCTTCAAAGTACCAGGAAAAGACACAGTTAGCAAAGATAAC  
 GGGATCCGTCCTTCTCACTGGAGCAAATGGCCAAACTAAAGCCTGCATTCATCAAACCCTATGGCACAG  
 TGACAGCAGCGAATCTTCTTCTGACTGATGGCGCTTCTGCGATGCTAATCATGTGAGGACAGAGC  
 TCTGGCCATGGTTATAAGCCAAAGGCATATTTGAGGGATTTATATGTGTCTCAGGATCCAAAAGAT  
 CAGCTTTTACTTGGACCAACATATGCTACTCCTAAAGTTCTAGAAAAGGCAGGATTAACCATGAATGATA  
 TTGAGCTTTGCAAAAACACTACATGGGTAGGAAAACCAAGGTTGGAGCACCTCCTCTGGAGAAGTTAATATC  
 TGGGGCGGATCACTCTCTGGGACACCCTTTGGAGCCACTGGCTGTCGGTTGGTCATGGCAGCTGCCA  
 ACAGACTGAGGAAGGATGGAGGCCAGTATGCTTTAGTGGCTGCCTGTGCAGCTGGAGGACAGGGTCATGC  
 TATGATTGTGGAAGCCTACCCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211564 representing NM\_133618  
 Red=Cloning site Green=Tags(s)

MTTILTSTFRNLSTTSKWALRFSVRPLSCSSQVQSAPAVQTKSKKTLAKPNLKNIVVVEGVRIPELLSGT  
 SYKDLMPHDLARAALSGLLYRTNIPKDVVDYIIFGTVIQEVKTSNVAREALGAGFSDKTPAHTVTMACI  
 SSNQAMTTAVGLIASGQCDVVVAGGVELMSDVPIRHSRNMKMMDLNKAQTLAQRLSLLTKFRLNFLSP  
 ELPVAEAFSTNETMGHSADRLAAAFAVSRMEQDKYALRSHSLAKKAQDEGLSDIVPFKVPKDTVSKDN  
 GIRPSSLEQMAKLPKPAF IKPYGTVTAANSFLTDGASAMLIMSEDALAMGYKPKAYLRDFIYVSQDPKD  
 QLLLGPYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANFKAMDSDFW AQNYMGRKTKVGPAPLEKFNI  
 WGGSLSLGHPFGATGCRLVMAAANRLRKDGGQYALVAACAAGGQGHAMIVEAYPK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

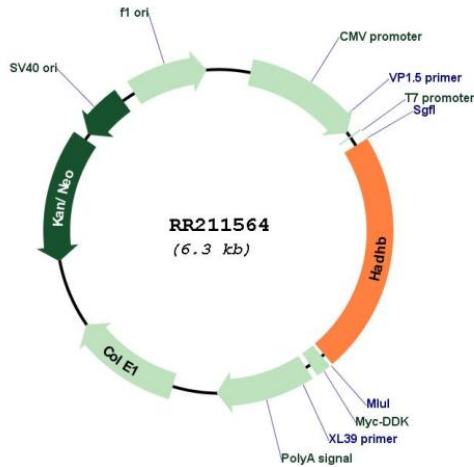
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_133618

ORF Size:

1425 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_133618.3](#), [NP\\_598302.1](#)

**RefSeq Size:** 1996 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 171155

**UniProt ID:** [Q60587](#)

**Cytogenetics:** 6q14

**MW:** 51.4 kDa

**Gene Summary:** a subunit of a multienzyme complex that is involved in mitochondrial fatty acid oxidation [RGD, Feb 2006]