

Product datasheet for MR204244

Hadh (NM_008212) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hadh (NM_008212) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hadh
Synonyms:	AA409008; AU019341; AW742602; Hadhsc; HCDH; Schad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204244 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTCGTGACCAGGCAATCTTGCCTCCATGTCCTCCTCTCTGCGTCGGCGGCCGCCAAGA
AGATCCTGATCAAGCATGTGACCGTCATCGCGCGGGCTGATGGGCGCCGGCATCGCGCAGGTAGCTGC
AGCAACTGGCCATACAGTAGTATTGGTGGACAAACGGAAGACATCCTGGCAAAATCCAAGAAGGGAATT
GAGGAGAGTCTAAAGAGGATGGCAAAGAAGAAGTTCACAGAAAACCTAAGGCTGGAGATGAGTTTGTGG
AGAAGACCCTGAGCTGCCTTTCAACCAGCACCGATGCGGCATCCGTGGTGCACAGCACAGACCTGGTGGT
GGAGGCCATTGTGGAAACCTGAAGCTGAAGAACGAGCTGTTCCAGAGGCTGGACAAGTTCGCTGCAGAA
CACACCATCTTTGCCAGCAACACGTCTTCTTTGCAGATCACAAACATAGCCAATGCCACCACCAGACAAG
ACCGATTTGCTGGCCTCCACTTTTTCAACCCCGTGCCTATGATGAAGCTTGTGGAGGTATCAAAACACC
GATGACCAGCCAGAAGACATTTGAATCTCTGGTGGACTTTTGTAAAACCTTAGGAAAGCATCCTGTCTCT
TGCAAGGACACTCCTGGATTCATCGTGAACCGACTCTTGGTGCCATACCTCATTGAGGCCGTGAGGCTAC
ACGAGCGAGGCGATGCGTCTAAGGAAGACATCGATACAGCGATGAAGCTGGGAGCTGGGTATCCCATGGG
TCCGTTTGAGCTTCTTGACTATGTTGGACTGGATACTACAAAGTTCATCTTGACGGGTGGCATGAAATG
GAGCCAGAGAACCCTTATTTACGCCAGTCTTCCATGAATAATCTGGTGGCCAGAAGAAGCTGGCA
AGAAGACCGGAGAAGGATTTTACAAATACAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204244 protein sequence
Red=Cloning site Green=Tags(s)

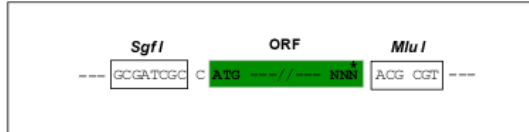
MAFVTRQFLRSMSSSSASAAKKILIKHVTVIGGGLMGAGIAQVAAATGHTVVLVDQTEDILAKSKKGI
 EESLKRMAKKKF TENPKAGDEFVEKTL SCLSTSTDAASVVHSTDLVVEAIVENLKLKNELFQRLDKFAAE
 HTIFASNTSSLQITNIANATTRQDRFAGLHFFNPVPMKLVVEIKTPMTSQKTFESLVDFCKTLGKHPVS
 CKDTPGFIVNRLLPYLIEAVRLHERGDASKEDIDTAMKLGAGYMPGPFELLDYVGLDTTKFI LDGWHEM
 EPENPLFPSPSMNNLVAQKKGKKTGEFYKYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_008212

ORF Size: 945 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_008212.4](#)

RefSeq Size: 1801 bp

RefSeq ORF: 945 bp

Locus ID: 15107

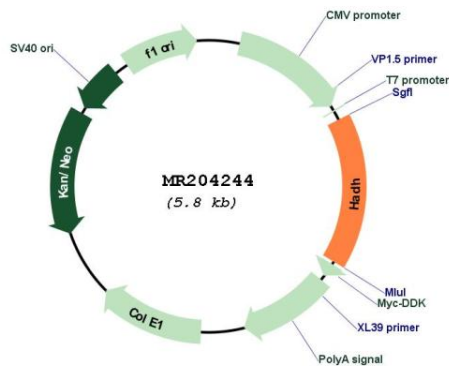
UniProt ID: [Q61425](#)

Cytogenetics: 3 G3

MW: 34.5 kDa

Gene Summary: Plays an essential role in the mitochondrial beta-oxidation of short chain fatty acids. Exerts it highest activity toward 3-hydroxybutyryl-CoA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204244