

Product datasheet for **RR204522**

Hsd17b10 (NM_031682) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd17b10 (NM_031682) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hsd17b10
Synonyms: Hadh2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204522 representing NM_031682
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCGCGTGTCCGAGCGTGAAGGGCCTGGTGGCAGTAATAACCGGAGGAGCCTCGGGCCTTGCC
TGCTACAGCCAAAAGACTGGTGGGACAAGGAGCCACAGCTGTACTTCTGGACGTCCTAACTCAGAGGG
TGAGACCGAAGCCAAGAAGTTAGGAGGAACTGCATATTTGCCCCAGCAAATGTGACCTCTGAGAAGGAG
GTACAAGCAGCTTTGACTCTAGCAAAGAAAAGTTGGCCGTATAGATGTGGCTGTCAACTGTGCAGGCA
TTGCAAGTGGCCATTAAGACATACCACGAAAAGAAGAACCGTCCACACCTTGGAGGACTCCAGCGGGT
TATCAATGTGAATCTCATAGGCACCTTCAATGTGATCCGCCTGGTTGCTGGTGTGATGGGCCAGAATGAA
CCAGACCAGGGAGGTCAACGTGGAGTTATCATTAACTGCCAGTGTGGCTGCTTTTGAGGGCCAGGTTG
GACAAGCTGCATACTCTGCATCCAAAGGGGGCATAGTGGGCATGACACTGCCCATTTGCTCGAGATCTGCC
TCCTATAGGCATCCGTGTGGTAACAATTGCTCCAGGTCTGTTGCCACCCCACTGCTTACCCTCTGCCA
GACAAAGTGCCCAACTTCTTGGCCAGCCAGGTACCCTTCCCAGCCGACTAGGTGACCCCGCGGAATATG
CTCATCTGGTACAGATGGTAATCGAGAACCATTCTTGAATGGAGAGTTCATCCGGCTGGATGGGCCAT
TCGAATGCAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204522 representing NM_031682
Red=Cloning site Green=Tags(s)

MAAACRSVKGLVAVITGGASGLGLSTAKRLVGQGATAVLLDVPNSEGETEAKKLGNCIFAPANVTSEKE
 VQAALTLAKEKFGRIDVAVNCAGIAVAIKTYHEKKNQVHTLEDFORVINVNLIGTFNVIRLVAGVMGONE
 PDQGGQRGVIINTASVAAFEGQVGQAAYSASKGGIVGMLPIARDLAPIGIRVVTIAPGLFATPLLLTTL
 DKVRNFLASQVFPFRLGDPAEYAHLVQMVIENPFLNGEVIRLDGAIRMQP

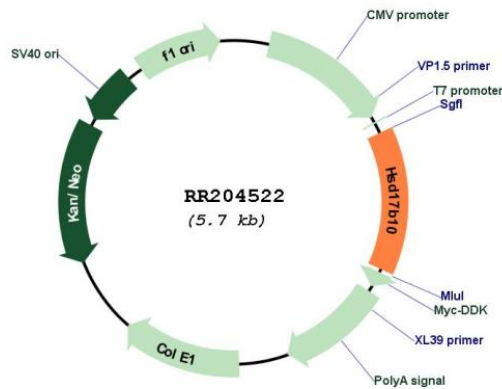
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031682

ORF Size: 783 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:	<ol style="list-style-type: none">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_031682.1 , NP_113870.1
RefSeq Size:	917 bp
RefSeq ORF:	786 bp
Locus ID:	63864
UniProt ID:	O70351
Cytogenetics:	Xq13
MW:	27.2 kDa
Gene Summary:	a type 10 17beta-hydroxysteroid dehydrogenase enzyme of the mitochondria [RGD, Feb 2006]