

Product datasheet for **RR208169**

Hsd17b2 (NM_024391) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b2 (NM_024391) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd17b2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208169 representing NM_024391 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGTTTTCTCTGAGTCAGCATGGCTCTGCTTGACTGCCACTGCGGTGCTGGGGGCATGCTTC
TCTGCAAAGCCTGGAGTTCAGGGCAGCTAAGGAGCCAGTGTTGTCTGGCTGGCCTCTGGGAGGTGC
CTGCCTGCTCAGCTGTCCCTCCTCGCAGCTTGTTCCTTTATCGGTGTCCTGCTTCTTCTTCTGTAT
GTGAGTTCATCTGACCAAGACTTGTACCTGTGGATCAAAGGCTGTGCTGGTGACAGGTGCCGATTCCG
GTTTCGGTCATGCTTTGGCCAAGCACCTGGACAAGCTGGGTTTCACAGTGTGCTGGAGTGCTGGATAA
AGAGGGCCAGGAGCGGAGGAATTGAGGAAAACTGCTCTGAGCGCCTTTCGGTGTCCAGATGGATGTC
ACCAAGCCAGAGCAGATAAAAGATGTTACAGCGAAGTCGACAGAGAAGATAACAAGACAAAGGACTGTGGG
CTGTGGTCAACAATGCTGGGGTCTTGCACTTCCGATCGACGGGAACTCATTCCCATGACCGTGTACAG
AAAATGCATGGCAGTGAATCTTCGGAGCCGTCGAGGTCACCAAGGTGTTTCTGCCTCTACTTAGAAA
TCCAAGGGGAGGCTGGTTAACGTCAGCAGCATGGAGCCATGATTCCATTCAGATGGTGGCCGCTACG
CCTCCACGAAGGCAGCTATAAGCATGTTCTCAGCCGTCATCAGGCAAGAGCTTGCCAAATGGGGAGTCAA
AGTCGTGACCATCCATCCTGGAGGCTTCCAACAACATCGTAGGCTCACAGGACAGTTGGGATAAAATG
GAGAAGGAGATCCTGGACCACTTTTCCAAGAGATTTCAGGAGAACTATGGACAGGAATATGTCCATACGC
AGAAGCTCGCCCTCCCGTCATGAGAGAGATGTCCAACCCGGATATCACCCCTGTGCTGCGGGACATCCA
GCACGCCATTTGTCCAAGAACCCTCTTCTTTTATTGCTCAGGGAGAATGACTTACCTGTGGATCTGC
TTCGCGCCTACTCCCGATCAGCTTATTGGACTATATTTGAAAACTATTTACTCCAAAACATCATGC
CAAGAGCTTTAAGGACAGCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MNPFSSSAWLCLTATAVLGGMLLCKAWSSGQLRSQVVLGAGLWGGACLLSL SLLCSLFLLSVSCFFLLY
 VSSSDQDLLPVDQKAVLVTGADSGFGHALAKHLDKLGFVTFAGVLDKEGPGAEELRKNCSERLSVLQMDV
 TKPEQIKDVHSEVAEKIQDKGLWAVVNNAGVLHFPIDGELIPMTVYRKCMAVNFAGAVEVTKVFLPLLK
 SKGRLVNVSSMGAMIPFQMVAAYASTKAAISMFSAVIRQELAKGWVKVVTIHPGGFQTNIVGSQDSWDKM
 EKEILDHFSKEIQENYGGQYVHTQKLALPVMREMSNPDI TPVLRDIQHAICAKNPSSFYCSGRMTYLWIC
 FAAYSPI SLLDYILKNYFTPKLMPRALRTAS

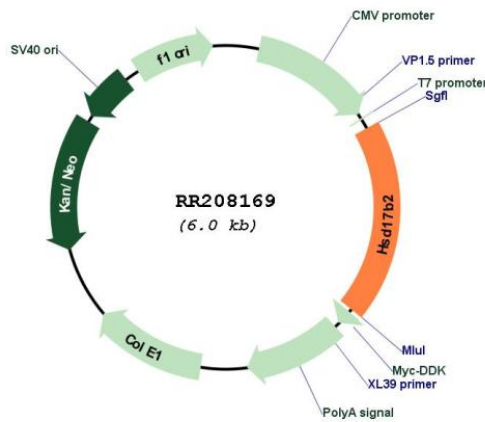
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024391

ORF Size:	1143 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_024391.1 , NP_077367.1
RefSeq Size:	1289 bp
RefSeq ORF:	1146 bp
Locus ID:	79243
UniProt ID:	Q62730
Cytogenetics:	19q12
MW:	42 kDa
Gene Summary:	17-beta hydroxysteroid enzyme that regulates the biological activity of sex hormones, including estrogen and androgens [RGD, Feb 2006]