

Product datasheet for **RR206636**

Hsd17b12 (NM_032066) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b12 (NM_032066) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd17b12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206636 representing NM_032066 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCGCTCTCCCGCGGCCGGCTTCTATACTGGGTGGGCGGAGCACCATTGCTTACCTGACCC
TGCGAGCCTCGTACTCGCTCTTCAGGGCCTTCAGGTGTGGTGCCTGGCAACCAGGCCTTTGTCGGCC
GCGGCTCGGAGAATGGCAGTTGTTACAGGTGGCACTGATGGAATTGAAAATCATATGCAGAAGAGTTA
GCAAAGCGTGGAATGAAGATTGTCTTGATAAGCAGATCCCAGGATAAACTGAAGGAAGTTTCCAACAACA
TCAAAGAAAAATTCAACGTTGAAACAAGGACCATTGCTGTGCGACTTTTCATTGGATGATATTTATGATAA
AATTAAGACAGGCCTGTCTGGTCTTGAATTTGGCGTTTTAGTGAACAACGTGGGCATGTCATACGAGTAT
CCAGAATACTTTTTGAAATTCCTGACTTGGACAACACCATCAAGAACTGATAAATATTAATGTCTTT
CCATTTGCAAGGTGACACGCTTGGTGTGCTGCGCATGGTAGAGAGATCTAAAGGGGTGATTCTCAACAT
CTCCTCTGCCAGTGGCATGCTCCCGTTCCACTGTTGACAGTCTACTCTGCAACCAAGGCCTTTGTAGAT
TTCTTCTCTCAGTGCCTCCATGAGGAGTATAAGAGCAAGGCATCTTTGTGCAGAGTGCCTGCCATTCT
TTGTATCTACAAAACGGCAAAAATACGGAAGCCGACTTTGGATAAGCCCTCTGCAGAGACATTTGTGAA
GTCTGCAATTAACAGTAGGTCTGCAGACCCGAACCACTGGGATATGTGATCCACGCCATCATGGGCTC
AATAAACTCAATCTTGCCCGTTGGATTATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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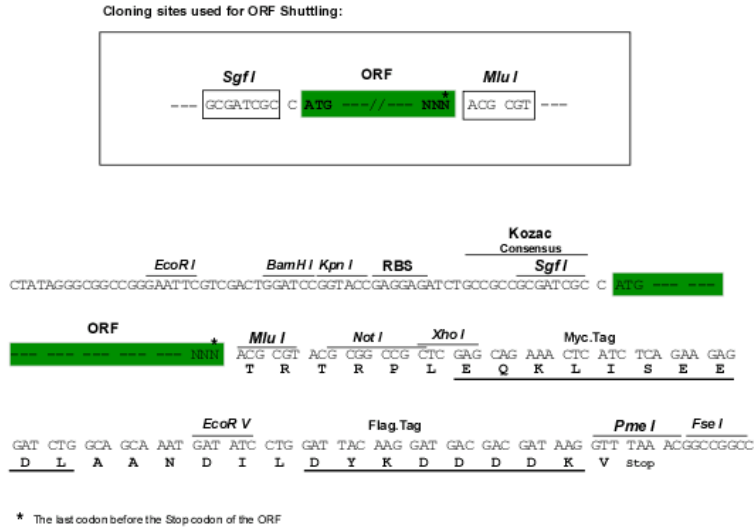
Protein Sequence: >RR206636 representing NM_032066
 Red=Cloning site Green=Tags(s)

MERALPAAGFLYWVGASTIAYLTLRASYSLFRFQVWCVGNQAFVGPRLGEWAVVTGGTDGIGKSYAEEL
 AKRGMKIVLISRSQDKLKEVSNNIKEKFNVETRTIAVDFSLDDIYDKIKTGLSGLEIGVLVNNVGMSEY
 PEYFLEIPDLDNITIKKLININVLSICKVTRLVLPGMVERSKGVILNISSASGMLPVPLLTVYSATKAFVD
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 NKLNLAPLDFL

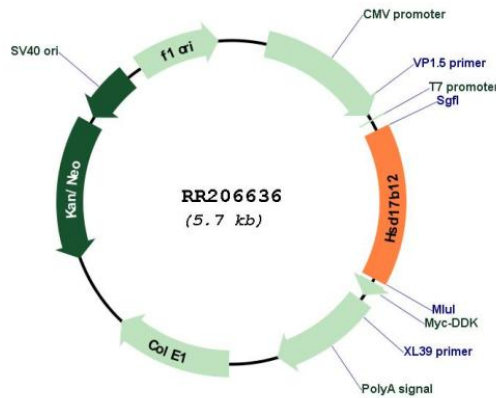
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032066

ORF Size:	873 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_032066.1 , NP_114455.1
RefSeq Size:	1830 bp
RefSeq ORF:	876 bp
Locus ID:	84013
UniProt ID:	Q6P7R8
Cytogenetics:	3q31
MW:	32.2 kDa
Gene Summary:	may play a role in steroid metabolism [RGD, Feb 2006]