

Product datasheet for RR215622

Hsd3b2 (NM_017265) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd3b2 (NM_017265) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd3b2
Synonyms:	Hsd3b1; Hsd3b2l1; Hsd3b6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215622 representing NM_017265 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGTGGAGCTGCCTGGTACTGGAGCAGGAGGGTTTTGGGCCAGAGGATCGTCCAGTTGTTGG
TGCAGGAGAAAGATCTGAAGGAGGTCAGGTCCTGGACAAGTCTTCAGACCAGAAACCAGAGAAGAATT
CTTCAACCTAGGGACAAGCATCAAGGTGACAGTGTGGAAGGAGACATTCTTGACACCCAGTGCCTGAGG
AGAGCGTGCCAGGCATCTCTGTTGTATCCACTGCCGCCCTCATTGATGTCACAGGTGTCAATCCCA
GGCAGACCATCCTAGATGTCAATCTGAAAGGTACCCAGAATCTGTTGGAGGCCTGTGTCCAAGCTAGTGT
GCCAGCCTTACTACTGACGACAGTTGACGTTGCAGGGCCCACTCCTACAAGAAGATCATCCTGAAT
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TTCTGGCTGCCAGGGCCTTCGAGACCCCAAGAAGTCAAAAATGTCCAAGGACAGTTCTACTACATCTC
AGATGACACCCCTACCAAGCTATGATGATTTAAATTATACCCTGAGCAAGGAATGGGGCCTCCACCTT
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TTCTGCATCCAGTGTACAATAAGGCCATCCTTTAACCGCCACTGGTCACTGTCAAATAGCAAGTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR215622 representing NM_017265
Red=Cloning site Green=Tags(s)

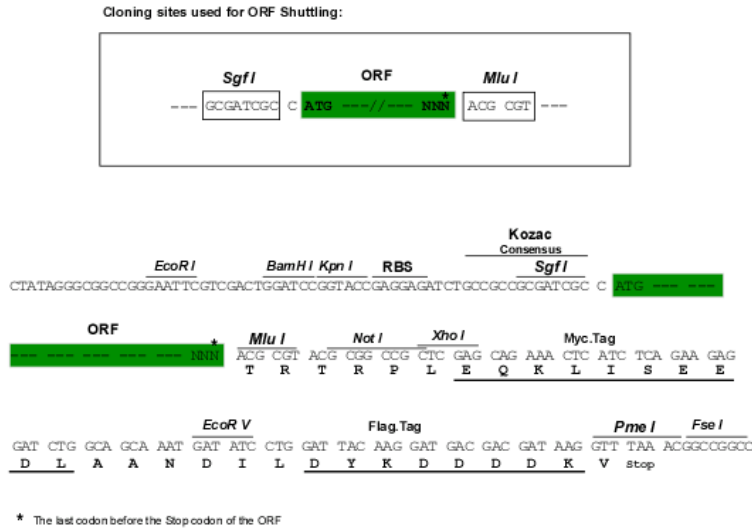
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 GHEEEHHESTWSPYPYSSKMAEKAVLAANGSILKNGGTLHTCALRPMYIYGERSPFLSVMILAALKSKG
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 DSSWSLPLPLLYWLAFLLEIVSFFLHPVYNYRPSFNRHLVTLSNSKFTFSYKKAQRDLGYKPLVSWEEAK
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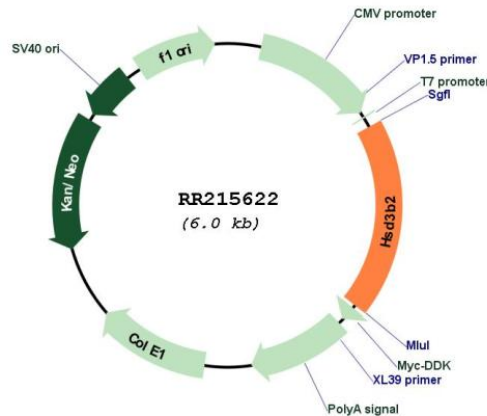
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_017265

ORF Size:	1119 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_017265.4 , NP_058961.4
RefSeq Size:	1697 bp
RefSeq ORF:	1122 bp
Locus ID:	29632
UniProt ID:	Q62878
Cytogenetics:	2q34
MW:	42 kDa
Gene Summary:	enzyme responsible for the production of progesterone as well as the precursors of androgens, estrogens, glucocorticoids and mineralcorticoids [RGD, Feb 2006]