

## Product datasheet for **RN207387**

### Hsd3b3 (NM\_001042619) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hsd3b3 (NM\_001042619) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hsd3b3  
**Synonyms:** Hsd3b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN207387 representing NM\_001042619  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCTGGATGGAGCTGCCTGGTGACAGGAGCAGGAGGGTTTGTGGCCAGAGGATCATCCGGATGTTGG  
TGCAGGAGAAAGAACTGCAGGAGGTCAGGGCTCTGGACAAAGTCTTCAGACCAGAAACCAAGGAGGAATT  
CTCTAAGCTGCAGACAAAGGCCAAGGTGACAATGTTAGAAGGAGATATTCTGGATGCCAGTACCTGAGG  
AGAGCGTGCCAGGGCATCTCTGTTGTATCCACACGGCTTCTGTGATGGATTTCTCACGTGCTACCCCA  
GGCAGACCATCCTAGATGTCAATCTGAAAGGTACCCAGAACCTATTGGAGGCCGGTATCCACGCTAGTGT  
GCCAGCCTTCTACTGACGACAGTTGACGTTGCAGGGCCCAACTCCTACAAGAAGACCATCCTGAAT  
GGCCGTGAGGAAGAGCATCATGAAAGCAGATGGTCAAAATCCATACCCATACAGCAAAAAGATGGCCGAGA  
AGGCAGTGCTGGCAGCCAATGGGAGCATCCTGAAAAATGGTGGCACACTGCATACTTGTGCCTTAAGGCC  
CATGTACATTTATGGGGAGAGAGGTCAATTCCTTTCTAGAATAATAATTATGGCCCTCAAAAATAAGGGT  
GTTCTGAACGTTACTGGCAAATTCCTCATAGTCAATCCAGTGTATGTAGGCAATGTGGCCTGGGCACATA  
TTCTGGCTGCCAGGGCCTTCGAGACCCCAAGAAGTCAAAAATATCCAAGGACAGTTCTACTATATCTCT  
AGATGACACCCCTCACCAAGCTATGATGATTTAAATTGACCCCTGAGCAAGGAATGGGGCCTCCGCCTT  
GATTCAGCTGGAGCCTTCTCTGCCCTGCTCTACTGGCTTGCCTTCTGCTGGAACTGTGAGCTTCC  
TGCTGCGTCCATTTTACAACATAGGCCACCTTTAACTGCCACTTGGTCACTGTCAAATAGCAAGTT  
CACTTTCTCTACAAGAAAGCTCAGAGAGATCTGGGCTATGAGCCACTTGTGAGTGGGAGGAAGCCAAAG  
CAGAAAACCTCGGAGTGGATCGGGACACTAGTGGAGCAGCACAGGGAGACTGGACACAAAGTCTCAGT  
GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001042619
<b>Insert Size:</b>	1122 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001042619.1</a></u> , <u><a href="#">NP_001036084.1</a></u>
<b>RefSeq Size:</b>	1629 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	682974
<b>UniProt ID:</b>	<u><a href="#">P22072</a></u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. [UniProtKB/Swiss-Prot Function]