

## Product datasheet for RN213495

### Hsd17b11 (NM\_001004209) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hsd17b11 (NM\_001004209) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hsd17b11  
**Synonyms:** Dhhrs8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213495 representing NM\_001004209  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGTACCTTCTTGACCTGATCCTGCTGCTGCCTCTGCTTATTGTCTTCTGCATTGAGTCTTTCATCA  
AGCGTTTGATTCCCAAGAAGAAAAATCCGTCGCTGGAGAGATCGTTCTGATCACCGAGCTGGTCATGG  
GATTGGAAGACTGACCGCTACGAATTTGCCAACTAAACACCAAAGTCTGTGGGATATCAATAAG  
AATGGCATCGAGGAAACAGCGGCGAAGTGCAGGAAGCTAGGTGCCAGGTCCATCCCTTTGTGGTGGACT  
GCAGCCAGCGGGAAGAGATTTACAGCGCTGTGAGAAAGGTAAGGAAGAAGTTGGAGATGTTAGCATTCT  
GGTAAATAATGCCGGCGTTGTCTACACTGCAGATCTATTTGCTACGCAGGACCCTCAGATTGAAAAGACT  
TTCGAAGTCAATGTGCTTGACACTTTTGGACCACCAAGGCATTTCTCCAGCCATGATGAAGAATAATC  
ATGGTCATGTTGTCACCGTGGCGTCGGCAGCAGGGCACACCGTCGTTCCCTTCTGCTGGCTTACTGTT  
TAGCAAGTTTGTGCTGTTGGCTTCCACAGAGCCTTGACTGATGAACTGGCTGCCTTGGGATGCACTGGA  
GTCCGAACATCCTGCCTCTGCCCTAACTCATAAATACCGGCTTCATCAAGAACCCGAGCACCAATTTAG  
GGCCACCTGGAACCTGAGGAGGTGGTAGAGCATCTCATGCACGGATCCTACTAACCAGAAAGATGAT  
CTTCGTCCTGGGCTCTATAGCGCTTTTGACAGTATTGAAAGGGTGTTCCTGAGAGATTCCTGGACGTT  
CTAAAGCGCAGGATCAACGTTAAGTTCGATGCTGTTGTTGGCTACAAAGATAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001004209  
**Insert Size:** 897 bp



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<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_001004209.1</a></u> , <u><a href="#">NP_001004209.1</a></u>
<b>RefSeq Size:</b>	1622 bp
<b>RefSeq ORF:</b>	897 bp
<b>Locus ID:</b>	289456
<b>UniProt ID:</b>	<u><a href="#">Q6AYS8</a></u>
<b>Cytogenetics:</b>	14p22
<b>Gene Summary:</b>	Can convert androstan-3-alpha,17-beta-diol (3-alpha-diol) to androsterone in vitro, suggesting that it may participate in androgen metabolism during steroidogenesis. May act by metabolizing compounds that stimulate steroid synthesis and/or by generating metabolites that inhibit it. Has no activity toward DHEA (dehydroepiandrosterone), or A-dione (4-androste-3,17-dione), and only a slight activity toward testosterone to A-dione.[UniProtKB/Swiss-Prot Function]