

## Product datasheet for MC207306

### Hsd3b2 (NM\_153193) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Hsd3b2 (NM\_153193) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Hsd3b2  
 Synonyms: 3-beta-HSD II  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC207306 representing NM\_153193  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCTGGGTGGAGCTGCCTGGTACTGGAGCAGGAGGGTTTTGGGGCAGAGGATCATCCAGTTGTTGG  
 TGCAAGAGGAAGATCTGGAGGAGATCAGGTCCTGGACAAGTCTTCAGACCAGAAACAAGGAAGGAATT  
 CTTCAACCTAGAGACAAGCATCAAGGTGACAGTGTGGAAGGAGACATTCTTGACACCCAGTACCTGAGG  
 AGAGCTTGCCAGGGCATCTCTGTTGTATCCATACTGCTGCCATCATTGATGTCACAGGTGTCATCCCA  
 GGCAGACCATCCTAGATGTCAATCTGAAAGGTACCCAGAATTATTGGAGGCCTGTATCCAAGCCAGTGT  
 GCCAGCCTTCTCTCCAGCTCAGTTGATGTTGCAGGGCCCAACTCTTACAAGGAGATTGCTTTGAAT  
 GGCCATGAGGAAGAGTGTATGAAAGTACATGGTCTGATCCATACCCATACAGCAAAAAGATGGCTGAGA  
 AGGCAGTGTGGCAGCCAATGGGAGCATGCTGAAAAATGGTGGCACTTTGCAAATTGTGCATTAAGGCC  
 CATGTGCATTTATGGGGAGAGAAGTCCACTCATTCTAACATAATAATTATGGCCCTTAACATAAAGGT  
 ATTCTGAGAAGTTTTGGCAAATCAACACAGCCAACCCAGTATATGTGGCAATGTAGCCTGGGCACACA  
 TTCTGGCTGCCAGGGCCTTCGAGACCCCAAGAAGTACCAAAATATCCAAGGAGAGTTCTACTACATCTC  
 AGATGACACCCCTCACCAAGCTTTGATGATATAAGTTACACCTTGAGCAAGGAGTGGGGCTTCTGCCTT  
 GATTCAGCTGGAGCCTTCTGTGCCCTACTGTACTGGCTTGCACTTCTGCTGAAACTGTGAGCTTCC  
 TCCTGAGTCCAATCTACAGATATACCTCCCTTTAACCGCCACTTGGTCACACTGTCAGGTAGCACATT  
 CACTTTCTCTACAAGAAAGCTCAGCGAGATCTGGGCTATGAGCCACTTGTGAGTGGGAGGAAGCCAAG  
 CAGAAAACCTCAGAGTGGATCGGGACACTAGTGGAGCAGCACAGGGAGACTGGACACAAAGTCTCAGT  
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_153193
<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_153193.3</a></u> , <u><a href="#">NP_694873.2</a></u>
<b>RefSeq Size:</b>	1810 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	15493
<b>UniProt ID:</b>	<u><a href="#">P26149</a></u>
<b>Cytogenetics:</b>	3 42.85 cM
<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]