

## Product datasheet for MC208717

### Hsd3b3 (NM\_001161742) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hsd3b3 (NM\_001161742) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hsd3b3  
**Synonyms:** 9030618K22Rik; AI790201  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208717 representing NM\_001161742  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCTGGGTGGAGCTGCCTGGTACTGGAGCAGGAGGGTTTTGGGCCAGAGGATCATCCAGTTGTTGG  
TGCAGGAGAAAGATCTTGAGGAGATCAGGTCCTGGACAAGTCTCAAACCTGAAACCAGGAGCAATT  
CTTCAACCTAGGGACAAGCATCAAGGTGACAGTGTGGAAGGAGACATTCTTGACACCCAGTACCTGAGG  
AGAGCTTGCCAGGGCATCTCTGTTGTATCCATACTGCTGCCATCATTGATGTCACAGGTGTCATCCCA  
GGCAGACCATCTAGATGTCAATCTGAAAGGTACCCAGAATTATTGGAGGCCTGTATCCAAGCCAGTGT  
GCCAGCCTTCATCTTCTCCAGCTCAGTTGACGTTGCAGGGCCCAACTCTTACAAGGACATTGTCTGAAT  
GGCCACGAGGACGAGCATCGTGAAGCAGATGGTCTGACCCATACCCATACAGCAAAAAGATGGCTGAGA  
AGGCAGTGTGGCAGCCAATGGGAGCATGCTGAAAAATGGTGGCACTTTGCAAACCTGTGCATTAAGGCC  
CATGTGCATTTATGGGGAGAGAAGTCAATTCCTTTCTAACACAATAATTAAGGCCCTCAAAAATAAGTTT  
ATTCTGAGAGGTGGGGCAAATTCACAGCCAACCCAGTATATGTGGCAATGTGGCTGGGCACACA  
TTCTGGCTGCCAGGGCCTTCGAAACCCAGAAGTACCAAAATATCCAAGGAGAGTTCTACTACATCTC  
AGATGATACCCCTCACAAAGTTATGATGATTTAAATTACACCCTGAGCAAGGAGTGGGGCTTCTGCCTC  
AATTCAGGTGGTACCTTCTGTGCCATACTGTACTGGCTTGCCTTCTGCTGAAACTGTGAGCTTCC  
TGCTGAGTCCAATCTACAGATATACCTCCCTTTAACCGCCACTTGGTCACACTGACAGCTAGTACGTT  
CACTTTCTCTACAAGAAAGCTCAGCGAGATCTGGGCTATGAGCCACTTGTGAGTGGGAGGAAGCCAAG  
CAGAAAACCTCAGAGTGGATCGGGACACTAGTGGAGCAGCACAGGGAGACTGGACACAAAGTCTCAGT  
GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001161742
<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>NM_001161742.1, NP_001155214.1</u>
<b>RefSeq Size:</b>	1769 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	15494
<b>UniProt ID:</b>	<u>P26150</u>
<b>Cytogenetics:</b>	3 42.86 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1-4 encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>