

Product datasheet for **MC208718**

Hsd3b3 (NM_001161743) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd3b3 (NM_001161743) 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: >MC208718 representing NM_001161743
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTGGGTGGAGCTGCCTGGTACTGGAGCAGGAGGGTTTTGGGCCAGAGGATCATCCAGTTGTTGG
TGCAGGAGAAAGATCTTGAGGAGATCAGGTCCTGGACAAGTCTCAAACCTGAAACCAGGAGCAATT
CTTCAACCTAGGGACAAGCATCAAGGTGACAGTGTGGAAGGAGACATTCTTGACACCCAGTACCTGAGG
AGAGCTTGCCAGGGCATCTCTGTTGTATCCATACTGCTGCCATCATTGATGTCACAGGTGTCATCCCA
GGCAGACCATCTAGATGTCAATCTGAAAGGTACCCAGAATTATTGGAGGCCTGTATCCAAGCCAGTGT
GCCAGCCTTATCTTCTCCAGCTCAGTTGACGTTGCAGGGCCCAACTCTTACAAGGACATTGTCTGGAAT
GGCCACGAGGACGAGCATCGTGAAGCAGATGGTCTGACCCATACCCATACAGCAAAAAGATGGCTGAGA
AGGCAGTGTGGCAGCCAATGGGAGCATGCTGAAAAATGGTGGCACTTTGCAAACCTGTGCATTAAGGCC
CATGTGCATTTATGGGGAGAGAAGTCAATTCCTTTCTAACACAATAATTAAGGCCCTCAAAAATAAGTTT
ATTCTGAGAGGTGGGGCAAATTCACAGCCAACCCAGTATATGTGGCAATGTGGCTGGGCACACA
TTCTGGCTGCCAGGGCCTTCGAAACCCAGAAGTACCAAAATATCCAAGGAGAGTTCTACTACATCTC
AGATGATACCCCTCACAAAGTTATGATGATTTAAATTACACCCTGAGCAAGGAGTGGGGCTTCTGCCTC
AATTCAGGTGGTACCTTCTGTGCCATACTGTACTGGCTTGCCTTCTGCTGGAACTGTGAGCTTCC
TGCTGAGTCCAATCTACAGATATACCTCCCTTTAACCGCCACTTGGTCACACTGACAGCTAGTACGTT
CACTTTCTCTACAAGAAAGCTCAGCGAGATCTGGGCTATGAGCCACTTGTGAGTGGGAGGAGCAAG
CAGAAAACCTCAGAGTGGATCGGGACACTAGTGGAGCAGCACAGGGAGACTGGACACAAAGTCTCAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001161743
Insert Size:	1122 bp
OTI Disclaimer:	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).
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:	<u>NM_001161743.1, NP_001155215.1</u>
RefSeq Size:	1716 bp
RefSeq ORF:	1122 bp
Locus ID:	15494
UniProt ID:	<u>P26150</u>
Cytogenetics:	3 42.86 cM
Gene Summary:	<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 (2) differs in the 5' UTR compared to variant 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>