

Product datasheet for **MC226846**

Hsd11b1 (NM_001044751) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd11b1 (NM_001044751) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hsd11b1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226846 representing NM_001044751
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTTATGAAAAATTACCTCCTCCCGATCCTGGTGTCTTCTCTGGCCTACTACTACTATTCTACAA
ATGAAGAGTTTCAGACCAGAAAATGCTCCAGGGAAGAAAGTATTGTCACCTGGGGCCAGCAAAGGGATTGG
AAGAGAAATGGCATATCATCTGTCAAAAATGGGAGCCCATGTGGTATTGACTGCCAGGTCGGAGGAAGGT
CTCCAGAAGGTAGTGTCTCGCTGCCTTGAACCTCGAGCAGCCTCTGCTCACTACATTGCTGGCACTATGG
AAGACATGACATTTGCGGAGCAATTTATTGTCAAGGCGGAAAGCTCATGGGCGGACTGGACATGCTTAT
TCTAAACCACATCACTCAGACCTCGCTGTCTCTTCCATGACGACATCCACTCTGTGCGAAGAGTCATG
GAGGTCAACTTCTCAGCTACGTGGTCATGAGCACAGCCGCTTGCCCATGCTGAAGCAGAGCAATGGCA
GCATTGCCGTATCTCCTCCTTGGCTGGGAAAATGACCCAGCCTATGATTGCTCCCTACTCTGCAAGCAA
GTTTGCTCTGGATGGGTTCTTTCCACCATTAGAACAGAAGCTCTACATAACCAAGGTCAACGTGTCCATC
ACTCTCTGTGTCCTTGGCCTCATAGACACAGAAACAGCTATGAAGGAAATCTCTGGGATAATTAACGCC
AAGCTTCTCCAAGGAGGAGTGCGCCCTGGAGATCATCAAAGGCACAGCTCTACGAAAAGCGAGGTGTA
CTATGACAAATCGCCTTTGACTCCAATCCTGCTTGGGAACCCAGGAAGGAAGATCATGGAATTTTTTCA
TTACGATATTATAATAAGGACATGTTTGTAAAGTAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001044751
Insert Size: 879 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001044751.1</u> , <u>NP_001038216.1</u>
RefSeq Size:	1355 bp
RefSeq ORF:	879 bp
Locus ID:	15483
UniProt ID:	<u>P50172</u>
Cytogenetics:	1 H6
Gene Summary:	<p>Catalyzes reversibly the conversion of cortisol to the inactive metabolite cortisone. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. An in-frame AUG is located 41 codons upstream of the annotated translation start site but is not being annotated as a start site since it is not conserved and is in a weak Kozak sequence context.</p>