

## Product datasheet for RC221958

### HSD11B1L (NM\_198704) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HSD11B1L (NM\_198704) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HSD11B1L  
**Synonyms:** 11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC221958 representing NM\_198704  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGGTAACCTTTGTGAGCTACGTGCAACTGACGTCGCGGGCGCTGCCAGCCTGACGGACAGCAAGG  
GCTCCCTGGTGGTGTCTCCTGCTGCTCGGCCGCTGCCACGTCGTTCTCCACTCCCTACTCGGCGGC  
CAAGTTTGGCGCTGGACGGCTTCTCGGCTCCCTCGGGCGGAGCTGGACGTGCAGGACGTGAACGTGCC  
ATCACCATGTGCGTCCTGGGCTCCGAGATCGCGCCTCCGCCGCCGAGGCAGTCAGGAGCTCAACGTCAC  
GGCCGCGGACGCTGAGCACCGGGGGTCCCCCTCCAGTCCCAGACGGCAATGTTCTCCCTCCAAGTGT  
CCCTGGAGCCAGAACTCACAGAGACCCCTGAGAGGGTGGCCACAGCCCAAGATGAAGTCATCAAGA  
CAGAAAAGCAAACCGAGAAAAACGACGGGCACCTGGAACCAAGTCACGGCTTGGGAGGTGCAGGTGCCCC  
GTGTTAGGCGCCTTTGTCGGGGACTTGAAGGCCTCACCTGTTTGGCCATGAT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221958 representing NM\_198704  
Red=Cloning site Green=Tags(s)

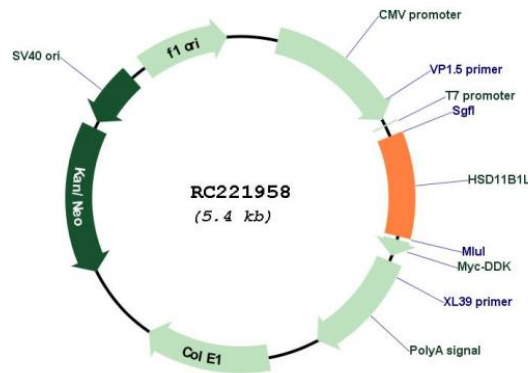
MQVNFVSYVQLTSRALPSLTDSKGLVSVSSLLGRVPTSFSTPYSAAKFALDGFGLRRELDVQDVNVA  
ITMCVLGLRDRASAAEAVRSSTRPRQPEHRGVPLQSQTAMFLPPTVPGARTLTETPLRGWVQPKMKSSR  
QKSKTEKNDGHLEPVTAVEVQVPRVRLCRGLARPHLFGHD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_198704

**ORF Size:** 543 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>	<a href="#">NM_198704.3</a>
<b>RefSeq Size:</b>	1622 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	374875
<b>UniProt ID:</b>	<a href="#">Q7Z511</a>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	20 kDa
<b>Gene Summary:</b>	This gene is a member of the hydroxysteroid dehydrogenase family. The encoded protein is similar to an enzyme that catalyzes the interconversion of inactive to active glucocorticoids (e.g. cortisone). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]