

## Product datasheet for RC222977

### HSD11B1L (NM\_198705) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HSD11B1L (NM\_198705) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HSD11B1L  
**Synonyms:** 11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222977 representing NM\_198705  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGGTGCTTCTCCTCACAGGGCTGGGGCCCTGTTCTTCGCCTATTATTGGGATGACAACTTCGACC  
 CAGGCGGGCTGGACTACCTCGTCTGAACCACATCGGCGGCGCCCGGCCGACGCGAGCCCGCAGCCC  
 CCAGGCAACTCGCTGGCTCATGCAGGTAACCTTTGTGAGCTACGTGCAACTGACGTCGGGGCGCTGCC  
 AGCCTGACGGACGCAAGGGCTCCCTGGTGGTGTCTCCTCGCTGCTCGGCCGCTGCCACGTCGTTCT  
 CCACTCCCTACTCGGCGCAAGTTTGGCTGGACGGCTTCTTCGGCTCCCTGCGCGGGAGCTGGACGT  
 GCAGGACGTGAACGTGGCCATCACCATGTGCGTCTGGGCTCCGAGATCGCGCCTCCGCCCGCAGGCA  
 GTCAGGGGAGTACGAGGGTCAAGGCGGCCCGGGGCCAAGGCAGCCCTGGCCGTATCCGCGCGGGCG  
 CCACGCGCGCGCGCGCTTCTACCCGTGGCGTTTCCGCTGCTGTGCTTGTCCGGCGCTGGTACC  
 GCGCCCGCGGCTGTTTATCCGCCAGGAGCTAACGTCACGGCCGCGGAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC222977 representing NM\_198705  
 Red=Cloning site Green=Tags(s)

MKVLLLTGLGALFFAYYWDNFDPGGLDYLVLNHIGGAPAGTRARSPQATRWLMQVNFVSYVQLTSRALP  
 SLTDSKGSLLVVVSSLLGRVPTSFSTPYSAKFALDGFGLRRELDVQDVNVAITMCVLGLRDRASAAEA  
 VRGVTRVKAAPGPKAALAVIRGGATRAAGVFPWRFRLLCLLRWLPRPRAWFIRQELNVTAAAA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198705

**ORF Size:** 615 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.

**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:**
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:** [NM\\_198705.3](#)

**RefSeq Size:** 1717 bp

**RefSeq ORF:** 618 bp

**Locus ID:** 374875

**UniProt ID:** [Q7Z5J1](#)

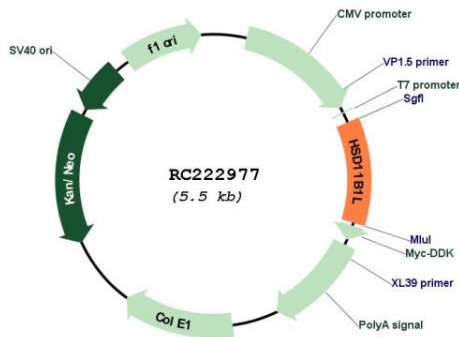
**Cytogenetics:** 19p13.3

**Protein Families:** Druggable Genome

**MW:** 22.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for RC222977