

## Product datasheet for **SC307779**

### **HSD11B1L (NM\_198704) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	HSD11B1L (NM_198704) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	HSD11B1L
<b>Synonyms:</b>	11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_198704, the custom clone sequence may differ by one or more nucleotides ATGCAGGTAAACTTTGTGAGCTACGTGCAACTGACGTCGCGGGCGCTGCCAGCCTGACG GACAGCAAGGGCTCCCTGGTGGTGTCTCGCTGCTCGGCCGCGTGCCACGTCGTTC TCCACTCCCTACTCGGCGCCAAGTTTGCCTGGACGGCTTCTTCGGCTCCCTGCGGCGG GAGCTGGACGTGCAGGACGTGAACGTGGCCATCACCATGTGCGTCCTGGGCCTCCGAGAT CGCGCCTCGGCCCGGAGGCAGTCAGGAGCTCAACGTACGGCCGCGGCAGCCTGAGCAC CGGGGGTGCCCCCTCCAGTCCCAGACGGCAATGTTCTCCCTCCAAGTGTCCCTGGAGCC AGAACACTCACAGAGACACCCCTGAGAGGGTGGCCACAGCCCAAGATGAAGTCATCAAGA CAGAAAAGCAAAACCGAGAAAAACGACGGGCACCTGGAACCAAGTACGGCTTGGGAGGTG CAGGTGCCCGTGTAGGCGCCTTTGTGCGGGACTTGCAAGGCCCTCACCTGTTTGCCAT GATTGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_198704
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).



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**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\\_198704.1](#), [NP\\_941993.1](#)

**RefSeq Size:** 1379 bp

**RefSeq ORF:** 546 bp

**Locus ID:** 374875

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

**Cytogenetics:** 19p13.3

**Protein Families:** Druggable Genome

**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]

Transcript Variant: This variant (f) has multiple differences in the coding region, one of which results in initiation of translation at a downstream in-frame start codon, compared to variant g. An additional difference results in a frameshift. The encoded protein (isoform f) has a distinct C-terminus and is shorter than isoform g.