

Product datasheet for **SC127883**

HSD11B1L (NM_198533) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD11B1L (NM_198533) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD11B1L
Synonyms:	11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127883 sequence for NM_198533 edited (data generated by NextGen Sequencing)

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ATGAAGGTGCTTCTCCTCACAGGCTGGGGCCCTGTTCTTCGCCTATTATTGGGATGAC
AACTTCGACCCAGCCAGCCTCCAGGGAGCGGAGTGCTGCTGACAGGGGCAACGCTGGT
GTTGGTGAGGAGCTGGCCTATCACTACGCGCTGTTGGGCTCCACCTGGTGCTCACTGCC
CACACTGAGGCTCTCCTGCAGAAGGTGGTAGGAACTGCCGGAAGCTGGGCGCCCCAAG
GTCTTCTACATCGCGGGGACATGGCCTCCCCTGAGGCGCCGAGAGCGTGGTGCAGTTT
GCGCTGGACAAGCTGGGCGGGCTGGACTACCTCGTGCTGAACCACATCGGCGGCGCCCCG
GCCGGCACGCGAGCCCGAGCCCCAGGCAACTCGCTGGCTCATGCAGGTAACCTTTGTG
AGCTACGTGCAACTGACGTGCGGGGCGCTGCCAGCCTGACGGACAGCAAGGGCTCCCTG
GTGGTGGTGTCTCGCTGCTCGGCGCGTCCCCACGTCGTTCTCCACTCCCTACTCGGCG
GCCAAGTTTGCGCTGGACGGCTTCTTCGGCTCCCTGCGGCGGGAGCTGGACGTGCAGGAC
GTGAACGTGGCCATCACCATGTGCGTCTGGGCTCCGAGATCGCGCCTCCGCCCGCGAG
GCAGTCAGGAGCTCAACGTACGGCCGCGGAGCCTGAGCACCGGGGGTGCCTCCAG
TCCCAGACGGCAATGTTCTCCCTCCAAGTGTCCCTGGAGCCAGAACACTCACAGAGACA
CCCCTGAGAGGGTGGCCACAGCCCAAGATGAAGTCATCAAGACAGAAAAGCAAACCGAG
AAAAACGACGGGACCTGGAACCAAGTACGGCTTGGGAGGTGCAGGTGCCCGTGTAGG
CGCCTTTGTCGGGACTTGCAAGGCCTCACCTGTTTGGCCATGATTGA

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Clone variation with respect to NM_198533.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198533 unedited CTAATTCGACGAGGGCTCGGGACCCCGGCAGGAAGGCGGCCGATAAGAGAGGACCG TGGGGGCGTTTCGCGTGGCCCCAGCCCGGGACCCACCCCGCTTGGACAGTGGGGGA AACCTGAGCCTGAGCGGGCTGTGCCGGCCACCTCTGTCCCCTGTCCCTGCAGGCCCA CACAGGACCATGAAGGTGCTTCTCCTCACAGGGCTGGGGGCCCTGTTCTTCGCTATTAT TGGGATGACAACTTCGACCCAGCCAGCCTCCAGGGAGCGGAGTGTCTGACAGGGGCC AACGCTGGTGTGGTGGAGAGCTGGCCTATCACTACGCGCTCTGGGCTCCCACCTGGTG CTCAGTGGCCACACTGAGGCTCTCCTGCAGAAGGTGGTAGGGAAGTGCCTGGAAGCTGGGC GCCCCCAAGGTCTTCTACATCGCGGGGACATGGCCTCCCTGAGGCGCCGAGAGCGTG GTGCAAGTTGCGCTGGACAAGCTGGGCGGGCTGGACTACCTCGTGTGAACCACATCGGC GGCGCCCGGCCGACGCGAGCCCGCAGCCCCAGGCAACTCGTGGCTCATGCAGGTA AACTTTGTGAGCTACGTGCAACTGACGTCGCGGGCGCTGCCAGCCTGACGGACAGCAAG GGCTCCCTGGTGGTGTCTCCTCGCTGTCGCGCGTGGCCACGTCGTTCTCCACTCCC TACTCGGCGCCAAGTTTGCCTGGACGGCTTCTCNGCTCCCTGCGGCGNAGCTGGAC GTGCAGGACGTGAACGTGGCCATCACCATGTGCGTCCTGGGCTCCGAGATCGCGCTCC GCCGCCGAGC
Restriction Sites:	Please inquire
ACCN:	NM_198533
Insert Size:	1500 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:	NM_198533.1 , NP_940935.1
RefSeq Size:	1542 bp
RefSeq ORF:	948 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 (e) lacks an exon and a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant g. This variant (e) also uses an alternate splice site in the 3' coding region, which results in a frameshift. The encoded protein (isoform e) has a distinct C-terminus and is shorter than isoform g.