

Product datasheet for **SC329835**

HSD11B1 (NM_001206741) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD11B1 (NM_001206741) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD11B1
Synonyms:	11-beta-HSD1; 11-DH; CORTRD2; HDL; HSD11; HSD11B; HSD11L; SDR26C1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329835 representing NM_001206741. Blue=Insert sequence Red=Cloning site Green=Tag(s)

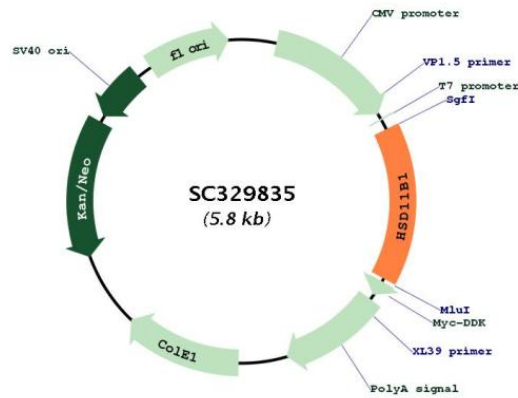
ATGGCTTTTATGAAAAATATCTCCTCCCCATTCTGGGGCTTTCATGGCCTACTACTACTATTCTGCA
AACGAGGAATTCAGACCAGAGATGCTCCAAGGAAAGAAAGTGATTGTCACAGGGGCCAGCAAAGGGATC
GGAAGAGAGATGGCTTATCATCTGGCGAAGATGGGAGCCCATGTGGTGGTGACAGCGAGGTCAAAGAA
ACTCTACAGAAGGTGGTATCCCCTGCCTGGAGCTTGGAGCAGCCTCAGCACACTACATTGCTGGCACC
ATGGAAGACATGACCTTCGCAGAGCAATTTGTTGCCAAGCAGGAAAGCTCATGGGAGGACTAGACATG
CTCATTCTCAACCACATACCAACTTCTTTGAATCTTTTTCATGATGATATTCACCATGTGCGCAA
AGCATGGAAGTCAACTTCCTCAGTTACGTGGTCTGACTGTAGCTGCCTTGCCCATGCTGAAGCAGAGC
AATGGAAGCATTGTTGTCGTCTCCTCTCTGGCTGGGAAAGTGCTTATCCAATGGTTGCTGCCTATTCT
GCAAGCAAGTTTGCTTTGGATGGTTCTTCTCCTCCATCAGAAAGGAATATTCAGTGTCCAGGGTCAAT
GTATCAATCACTCTCTGTGTTCTTGGCCTCATAGACACAGAAACAGCCATGAAGGCAGTTTCTGGGATA
GTCCATATGCAAGCAGCTCAAAGGAGGAATGTGCCCTGGAGATCATCAAAGGGGAGCTCTGCGCCAA
GAAGAAGTGATTATGACAGCTCACTCTGGACCACTCTTCTGATCAGAAATCCATGCAGGAAGATCCTG
GAATTTCTCTACTCAACGAGCTATAATATGGACAGATTCATAAACAAGTAG

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001206741

Insert Size: 879 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:

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_001206741.1
RefSeq Size:	1479 bp
RefSeq ORF:	879 bp
Locus ID:	3290
UniProt ID:	P28845
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways
MW:	32.4 kDa
Gene Summary:	<p>The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Mutations in this gene and H6PD (hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)) are the cause of cortisone reductase deficiency. Alternate splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>