

## Product datasheet for **SC205790**

### **HSD11B1 (NM\_181755) Human 3' UTR Clone**

#### **Product data:**

**Product Type:** 3' UTR Clones  
**Product Name:** HSD11B1 (NM\_181755) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** HSD11B1  
**Synonyms:** 11-beta-HSD1; 11-DH; CORTRD2; HDL; HSD11; HSD11B; HSD11L; SDR26C1  
**ACCN:** NM\_181755  
**Insert Size:** 429 bp  
**Insert Sequence:** >SC205790 3' UTR clone of NM\_181755  
The sequence shown below is from the reference sequence of NM\_181755. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCA**GCGATCGC**

GACAGATTCATAAACAAG**TAG**GAACTCCCTGAGGGCTGGGCATGCTGAGGGATTTGGGACTGTTCTGTCTCATGTTTATCTGAGCTCTTATCTATGAAGACATCTTCCAGAGTGTCAGAGACATGCAAGTCATGGTGCACACCTGACAAATGGAAGGAGTTCCCTCTAACATTTGCAAAATGAAATGTAATAATGAATGTCA TGCACCCTGCAGCCAGCAGTTGTAATAATTGTTAGTAAACATAGGTATAATTACCAGATAGTTATATTAAATTTATATCTTATATATAATAATATGTGATGATTAATACAATATTAATTATAATAAAGGTCACATAAACTTTATAAATTCATAACTGGTAGCTATAACTTGAGCTTATTCAGGATGGTTTCTTTAAAACCATAAACTGTACAAATGAAA

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

**Restriction Sites:** Sgfl-Mlul  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).  
**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  
**RefSeq:** [NM\\_181755.1](#)



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**Summary:**

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]

**Locus ID:**

3290