

Product datasheet for **SC205789**

HSD11B1 (NM_005525) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HSD11B1 (NM_005525) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HSD11B1
Synonyms: 11-beta-HSD1; 11-DH; CORTRD2; HDL; HSD11; HSD11B; HSD11L; SDR26C1
ACCN: NM_005525
Insert Size: 429 bp
Insert Sequence: >SC205789 3' UTR clone of NM_005525
The sequence shown below is from the reference sequence of NM_005525. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCA**AGCGATCGC**

GACAGATTCATAAACAAG**TAG**GAACTCCCTGAGGGCTGGGCATGCTGAGGGATTTGGGACTGTTCTGTCTCATGTTTATCTGAGCTCTTATCTATGAAGACATCTTCCAGAGTGTCAGAGACATGCAAGTCATGGTGCACACCTGACAAATGGAAGGAGTTCTCTAACATTTGCAAAATGAAATGTAATAATGAATGTCA TGCACCCTGCAGCCAGCAGTTGTAATAATTGTTAGTAAACATAGGTATAATTACCAGATAGTTATATTAAATTTATATCTTATATATAATAATATGTGATGATTAATACAATATAATTATAATAAAGGTCACATAAACTTTATAAATTCATAACTGGTAGCTATAACTTGAGCTTATTCAGGATGGTTTCTTTAAAACCATAAACTGTACAAATGAAA

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI
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_005525.2](#)



[View online »](#)

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