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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
Symbol:	HSD11B1
Synonyms:	11-beta-HSD1; 11-DH; CORTRD2; HDL; HSD11; HSD11B; HSD11L; SDR26C1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
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 CAATTGGCAGAGCTCAGAATTCAAGCGATCGC GACAGATTCATAAACAAG**TAG**GAACTCCCTGAGGGCTGGGCATGCTGAGGGATTTTGGGACTGTTCTGTC TCATGTTTATCTGAGCTCTTATCTATGAAGACATCTTCCCAGAGTGTCCCCAGAGACATGCAAGTCATGG GTCACACCTGACAAATGGAAGGAGTTCCTCTAACATTTGCAAAATGGAAATGTAATAATAATGAATGTCA TGCACCGCTGCAGCCAGCAGTTGTAAAATTGTTAGTAAACATAGGTATAATTACCAGATAGTTATATTAA ATTTATATCTTATATATAATAATATGTGATGATTAATACAATATTAATTATAATAAAGGTCACATAAACT TTATAAATTCATAACTGGTAGCTATAACTTGAGCTTATTCAGGATGGTTTCTTTAAAACCATAAACTGTA CAAATGAAA 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).

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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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

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

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