

Product datasheet for **SC207992**

HSD11B2 (NM_000196) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HSD11B2 (NM_000196) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HSD11B2
Synonyms: AME; AME1; HSD2; HSD11K; SDR9C3
ACCN: NM_000196
Insert Size: 580 bp
Insert Sequence: >SC207992 3'UTR clone of NM_000196
The sequence shown below is from the reference sequence of NM_000196. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCGGCCCTTCCCAGCAGTGGCTCGGTGAGCCATGTGCACCTATGGCCCAGCCACTGCAGCACAGGAG
GCTCCGTGAGCCCTTGGTTCCTCCCGAAAACCCAGCATTACGATCCCCCAAGTGCCTGGACCCTG
GCCTAAAGAATCCACCCCACTTCATGCCCACTGCCGATGCCCAATCCAGGCCCGGTGAGGCCAAGGT
TTCCAGTGAGCCTCTGCGCCTCTCCAAGTGTTCATGAGCCAAACACCCCTCTGGCACAACGCTCTAC
CCTGCAGCTTGGAGAAGTCCGCTGGATGGGGAGTCTCATGCAAGACTTCACTGCAGCCTTTCACAGGAC
TCTGCAGATAGTGCCTCTGCAACTAAGGAGTGACTAGGTGGGTGGGGACCCCTCAGGATTGTTTCT
CGGCACCAGTGCCTCAGTGTGCAATTGAGGGCTAAATCCCAAGTGTCTTACTGGCTCAAGAATTA
GGGCCCAACTACACCCCAAGCCACAGGGAAGCATGTACTGTACTTCCCAATTGCCACATTTTAAA
TAAAGACAAATTTTATTTCTTCTAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



[View online »](#)

RefSeq: [NM_000196.4](#)

Summary: There are at least two isozymes of the corticosteroid 11-beta-dehydrogenase, a microsomal enzyme complex responsible for the interconversion of cortisol and cortisone. The type I isozyme has both 11-beta-dehydrogenase (cortisol to cortisone) and 11-oxoreductase (cortisone to cortisol) activities. The type II isozyme, encoded by this gene, has only 11-beta-dehydrogenase activity. In aldosterone-selective epithelial tissues such as the kidney, the type II isozyme catalyzes the glucocorticoid cortisol to the inactive metabolite cortisone, thus preventing illicit activation of the mineralocorticoid receptor. In tissues that do not express the mineralocorticoid receptor, such as the placenta and testis, it protects cells from the growth-inhibiting and/or pro-apoptotic effects of cortisol, particularly during embryonic development. Mutations in this gene cause the syndrome of apparent mineralocorticoid excess and hypertension. [provided by RefSeq, Feb 2010]

Locus ID: 3291

MW: 20.6