

Product datasheet for **SC204821**

Hydroxysteroid (17 beta) Dehydrogenase 4 (HSD17B4) (NM_000414) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Hydroxysteroid (17 beta) Dehydrogenase 4 (HSD17B4) (NM_000414) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HSD17B4
Synonyms: DBP; MFE-2; MFP-2; MPF-2; PRLTS1; SDR8C1
ACCN: NM_000414
Insert Size: 368 bp
Insert Sequence: >SC204821 3'UTR clone of NM_000414

The sequence shown below is from the reference sequence of NM_000414. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGATTCTTAAAGACTACGCCAAGCTCTGAGGGCACACTACACTATTAATAAAAAATGGAATCATTAAA
TACTCTCTTACCCAAATATGCTTGATTATTCTGCAAAAGTGATTAGAATAAGATGCAGGGGAAATTG
CTTAACATTTTTCAGATATCAGATAAAGTGCAGATTTTCTTTTCTACTAATTTTTCATGTATCATTATTT
TTACAAGGAACTATATATAAGCTAGCACATAATTATCCTTCTGTTCTTAGATCTGTATCTTCATAATAA
AAAATTTTGCCCAAGTCCTGTTTCTTAGAATTTGTGATAGCATTGATAAGTTGAAAGGAAAATTAAT
CAATAAAGGCCTTTGATACCTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCCTTCTATGAAAGG
```

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_000414.4](#)



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Summary:

The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. Defects in this gene that affect the peroxisomal fatty acid beta-oxidation activity are a cause of D-bifunctional protein deficiency (DBPD). An apparent pseudogene of this gene is present on chromosome 8. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]

Locus ID:

3295

MW:

14.2