

Product datasheet for **MC205700**

Hsd17b4 (NM_008292) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b4 (NM_008292) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hsd17b4
Synonyms:	17-beta-HSD; 17[b]-HSD; DBP; MFE-2; Mfp-2; MFP2; MPF-2; perMFE-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC022175
 CCACGCGTCCGGCAGGCTAGACTCATGGCTTCGCCGCTGAGGTTTCGACGGGCGTGTGGTCTTGGTCACCG
 GCGCCGGGGAGGATTGGGCCGAGCTTACGCCCTGGCGTTTGCAGAAAGAGGAGCATTAGTCATTGTTAA
 CGACTTAGGAGGGGACTTCAAGGGAATTGGTAAAGGCTCCTCTGCTGCAGACAAGGTTGTGGCAGAGATA
 AGAAGGAAAGCGGAAAAGCAGTGGCCAATTACGATTAGTTGAAGCAGGCGAGAAGCTTGTGAAGACGG
 CACTGGACACATTTGGCAGAATAGACGTTGTGGTCAACAATGCTGGAATCCTGAGGGACCGTTCTTCTC
 CAGATAAGTATGAAGACTGGGATATAATTCATAGAGTTCATTTGCGGGGCTCCTTCCAAGTGACCCGG
 GCAGCATGGGACCATATGAAGAAACAGAATTATGGAAGAATCCTTATGACTTCTCAGCTTCTGGAATAT
 ATGGCAACTTTGGCCAGGCGAATTATAGTGCTGCAAAGCTGGGCATTCTGGGTCTCTGCAATACTCTCGC
 CATTGAAGGCAGGAAGAACAACATTCATTGCAACACCATTGCCCCCAACGCTGGGTACGGATGACGGAG
 ACTGTGTTGCCGGAAGATCTTGTGAAGCCCTGAAGCCAGAGTATGTGGCCCTCTGGTCTTTGGCTTT
 GCCATGAGAGCTGTGAGGAAAATGGTGGCTATTTGAGGTTGGAGCAGGATGGATTGAAAATTCGCTG
 GGAGAGGACCTGGGCGCCATCGTCAGAAAGCGGAATCAGCCCATGACTCCCGAGGCAGTGAGGGACAAC
 TGGGAGAAGATCTGTGACTTCAGCAATGCCAGCAAGCCGAGACCATTCAAGAATCAACAGTGGTATAG
 TCGAAGTTTTACATAAGGTAGATTGAGAAGGAATCTACCAAACCGTACCAGTCACGCGGCACCTGCAGC
 CAGTCAAGGATTGTTGGTGTCTTTGGCCATAAACTTCTTCATTTTCTTCTGTATACGGAGCTGCAG
 AGTATTATGTATGCCCTCGGAGTGGGAGCGTCAGTCAAAAATCCAAGGATTTGAAGTTGTTTATGAAG
 GCAGTGTGACTTCTCCTGTTTGGCCACCTTCGGAGTCATTGTGCTCAGAAAGTCCATGATGAATGGAGG
 GCTGGCAGAGGTTCTGGGCTGTCACTCAACTTTGCAAAGGCTCTTACGGGGAGCAGTACTTGGAGCTG
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 CTGGCGTAGTGATTGTTATGGACGTCATTTCTTATTCTGGGAAGGAACTTATATGCTATAATCAGTTCTC
 TGTCTTTGTTGGCTCTGGGGCTTTGGTGGAAAACGGACATCAGAAAACTCAAAGCAGCTGTAGCT
 GTACCAAATCGACCTCCAGATGCTGTACTGAGAGATGCCACCTCACTGAATCAGGCGCGCTGTACCGCC
 TCAGCGGAGACTGGAATCCTCTACACATTGACCCGGACTTTGCGAGCGTTGCCGGTTTTGAGAAGCCCAT
 ATTACATGGACTATGTACCTTTGGATTTCTGCAAGGCATGTTTTACAGCAGTTTGCAGATAATGATGTA
 TCAAGATTCAAGGCGATTAAGGTTGTTTTGCCAAACAGTGTATCCAGGACAGACTCTACAAAAGTGA
 TGTGGAAGGAAGGAAACAGAATTCATTTCAAACCAAGGTCACGAGACTGGAGATGTTGTCATTTCAA
 TGCGTACGTGGATCTCGTGCCTGCATCTGGAGTTTCAACCCAGACACCTTCAAGGGTGGAGAGCTCCAG
 AGTGTCTTTGTTTGGGAGATAGGCCCGCCCTCAAGAGTGTGGCCGTGAGGTGGTAAAGAAAGCGA
 ATGCTGTGTTGAATGGCATATCAGAAAGGTGGGACTGTTGCAGCCAAGTGGACCATTGACCTGAAGAG
 CGGCTCAGGGGAGGTGTACCAAGGCCCGCAAAGGCTCTGCTGATGTGACCATCATCTTTCCGATGAG
 GATTTTATGGAAGTGGTCTTCGGCAAGCTTGACCCACAGAAGGCCTTCTTCAAGTGGCAGGCTGAAGGCCA
 GAGGGAACATCATGCTGAGCCAGAACTACAGATGATTCTTAAAGACTATGCCAAGCTCTGAAGGGACCC
 ACTGTGTGCTGTTAAAGGAGTCAATAATTAATACTGTCTACCCAGCTGAGCCGACGCTTCTGCGATCC
 ACAGGAGTGTGCAGCAGAAAATCGCTTACATTTCCAGATTAGATAAATTGCATATTTTCAATTTCTACT
 AATTTTTCACATATTTTACAAGGAACTGTAATCTAGGTAGCAAAAATAATCATTCTGTTCATAGATCTGT
 ATCTTAATAAAAAAATCAACCAAGTCTGGTTTCTTTAGACTTTGTAAGGCAATAGTATGTGAAAGGAA
 AACGGAATGAATAAAGCCACTTTACCGCTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_008292
- Insert Size:** 2208 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC022175](#), [AAH22175](#)

RefSeq Size: 2616 bp

RefSeq ORF: 2208 bp

Locus ID: 15488

UniProt ID: [P51660](#)

Cytogenetics: 18 D1

Gene Summary: Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids (By similarity).[UniProtKB/Swiss-Prot Function]