

Product datasheet for **MC209792**

Hsd17b6 (NM_013786) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b6 (NM_013786) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hsd17b6
Synonyms:	17betaHSD9; Hsd17b9; Rdh8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209792 representing NM_013786 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTTCTACCTGGTAACTCTTGTGGCCCTTACCACCTTCTGCGTTGGTATCGTGAGAGGCAGGTGG
TGAGCCATCTCCAAGACAAGTATGTCTTCATCACGGGCTGTGACTCTGGCTTTGGGAACCTGCTGGCCAG
ACAGCTGGACAGGAGAGGCATGAGGGTATTGGCTGCATGTCTGACGGAGAAGGGAGCCGAGGAGCTGAGG
AACAGACATCTGACAGGCTGGAGACAGTGATCCTGGATGTCACCAAGACAGAGAGTATTGTGCCAGCCA
CTCAGTGGGTGAAGGAGCGTGTGGAGACAGAGGACTCTGGGGTTGGTTAATAATGCAGGTGTGTTACA
ACCATTTGCCTACATTGAATGGTACAGACCAGAGGACTACATGCCTATCTTTCAAGTGAACCTCATTGGT
TTGACCCAGGTGACTATAAGCATGCTTTTCTGGTAAAGAAGGCTCGGGGAGGATCGTCAATGTCTCCA
GTGCTTTGGGAAGAGTTGCATTGTTGGAGGATTCTACAGTTGCTCCAAGTATGGGGTTGAGGCATTTTC
AGATGTGCTAAGGCATGAGGTTCAAGATTTTCGGGGTAAAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
ACGGAAATGACAGATGCAGAGTTAACCATTGAGAGAACTAAGAAAGTCTGGGAAGCTGCCCTGAGCACA
TCAAGGAATCCTACGGACAGCAGTTTTTTGACGACTTTTGACGACCACCAACGAGAGTTGATGAAGTG
TAGCAGGAACCTGAGCCTAGTCACGACTGCATGGAGCACGCCCTGACCTCCACGCATCCTCGCACCCGG
TACTCGGCTGGCTGGGATGCCAAGTTTTCTTCATCCCTCTATCTATTTGCCTGCGTCACTGGTAGACT
ACTTATTGGCCATATCTAGGGGCAAGCCAGCTCAAGCAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013786



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Insert Size:	954 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:	<ol style="list-style-type: none">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:	<u>BC021836</u> , <u>AAH21836</u>
RefSeq Size:	1479 bp
RefSeq ORF:	954 bp
Locus ID:	27400
UniProt ID:	<u>Q9R092</u>
Cytogenetics:	10 D3
Gene Summary:	NAD-dependent oxidoreductase with broad substrate specificity that shows both oxidative and reductive activity (in vitro). Has 17-beta-hydroxysteroid dehydrogenase activity towards various steroids (in vitro). Converts 5-alpha-androstan-3-alpha,17-beta-diol to androsterone and estradiol to estrone (in vitro). Has 3-alpha-hydroxysteroid dehydrogenase activity towards androsterone (in vitro). Has retinol dehydrogenase activity towards all-trans-retinol (in vitro). [UniProtKB/Swiss-Prot Function]