

## Product datasheet for MR218075

### Hsd3b4 (NM\_008294) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd3b4 (NM_008294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd3b4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218075 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTGGGTGGAGCTGCCTGGTGACAGGAGCAGGAGGGTTTCTTGCCAGAGGATTGTCCGAATGTTGG  
TGCAGGAGGAAGAGCTGCAGGAGATCAGAGCCCTGTTCCAGGACCTTCGGTCGAAAACAGGAAGAGGAATT  
GTCCAAGCTGCAGACAAAGCAAGGTGACAGTACTGAAGGGAGACATTCGGATGCCAGTGCCTGAAG  
AGAGCCTGCCAGGGCATGTCTGCTGTCAACACCCGCTGCTGCTATTGACCCCTTGGTGCCGCTTCCA  
GACAGACCATCCTAGATGTCAATCTGAAAGTACTCAGTCTACTGGATGCTTGTGGAAAGCCAACGT  
GCCAACATTCATCTACAGCAGCTCAGTGTGGTGGCTGGACCAAATTCCTACAAGGAGATCATCCTGAAT  
GCCCATGAGGAGGAGCATCATGAAAGCACATGGTCTAACCATACCCATACAGCAAAAAGATGGCTGAGA  
AGGCAGTGTGGCAGCCAATGGGAGCATCCTGAAAAATGGTGGCACTTTGCATACTTGTGCCTTAAGACT  
CTCTTTCATCTATGGGGAAGAAATGCCAAGTCACTTCAACCACTGTGAAAACAGCACTGAAGAACAACAGC  
ATAATTAAGAAAAATGCCAATTCTCCATCGCCAAACCCAGTGTATGTGGCAATGCAGCCTGGGCTCACA  
TTCTGGCTGCCAGGAGCCTACAGGACCCTAAGAAGTCCCCAAGCATCCAAGGACAGTTCTATTACATTAC  
AGATGACACCCCTCACCAAAGCTATGATGACTTAAAATGCACCCTGAGCAAGGAGTGGGGCTCCGCTT  
GATACCAGCTGGAGTCTTCTCTGCCCCCTGCTCTACTGGCTTGCCTTCTCTGGAACTGTGAGCTTCC  
TGCTACGTCCAGTCTACAATATAGACCACCATTAACCGCTCTTGATCACAGTCTAAATAGTGTATT  
CACCTTCTCTACAAGAAGGCTCAGCGAGATCTGGGCTATGAGCCAATTGTGAGTGGGAGGAAGCCAAG  
CAGAAAACCTCAGAGTGGATCGGAACACTAGTGATGCAGCACAGGGAGATTGAAAACAAAAGTCACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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:** [NM\\_008294.2](#), [NP\\_032320.1](#)

**RefSeq Size:** 1673 bp

**RefSeq ORF:** 1122 bp

**Locus ID:** 15495

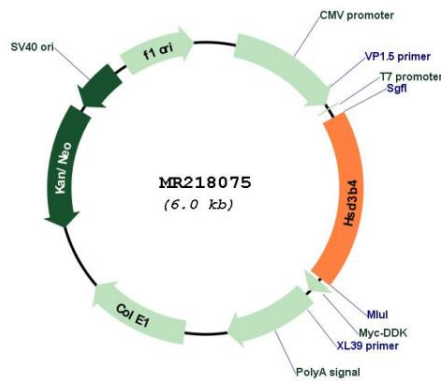
**UniProt ID:** [Q61767](#)

**Cytogenetics:** 3 42.79 cM

**MW:** 41.8 kDa

**Gene Summary:** Responsible for the reduction of the oxo group on the C-3 of 5alpha-androstane steroids. Catalyzes the conversion of dihydrotestosterone to its inactive form 5alpha-androstanediol, that does not bind androgen receptor/AR. Does not function as an isomerase. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218075