

Product datasheet for **RN202794**

Hsd17b8 (NM_212529) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd17b8 (NM_212529) Rat Untagged Clone
Tag: Tag Free
Symbol: Hsd17b8
Synonyms: Fabgl; Ke6; RING2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202794 representing NM_212529
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTCTCAGCTCCGGCTCCGTTCCGCGCTGGCCCTGGTCACAGGTGCGGGTAGCGGCATCGGTCGTG
CGATCAGCGTGCGCCTAGCGGCAGAGGGCGCCGAGTGGCCGCTGCGACCTGGACGGGGCAGCGGCACA
GGACACGGTGCGGCTGCTGGGAAACCCAGGGAGCGAGGACAGGGAGCCGCGGGGAAGCAGCTGCCTTC
CAGGGCGGACGTGTCGAGGGCCCCGAGCCAAACGCTGCTGGAGCAAGTGCAGGCTGCTTTTTTCGCC
CGCCATCTGTCGTTGTGTCTGTGCGGGCATCACACGCGATGAGTTTCTGCTCCACATGTCAGAAGAAGA
CTGGGACAGAGTCATAGCTGTGAACCTCAAGGGCACCTTCCTAGTCACTCAGGCTGCCGCCAGGCATTG
GTGTCCAGTGGCGGTCGTGGCTCCATCATCAACATTAGTAGCATCGTTGGAAAGGTGGGGAATATTGGAC
AAACAAATTATGCGTCCTCAAAGCAGGAGTGATTGGGCTCACCCAGACTGCAGCCCGGGAGCTTGGACG
TCATGGAATTCGATGTAACCTCAGTCCTCCAGGGTTTATTGCAACGCCCATGACCCAGAAAATGCCAGAG
AAAGTGAAGGACAAGGTAACGCAATGATTCGTTGGGACACATGGGGACCCTGAGGATGTAGCAGATG
TGGTTGCGTTCTGGCATCAGAAGACAGTGGATACATCACAGGGGCTCCGTGGAAGTCAGTGGAGGTCT
TTTCATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_212529
Insert Size: 780 bp



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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:	NM_212529.1 , NP_997694.1
RefSeq Size:	970 bp
RefSeq ORF:	780 bp
Locus ID:	361802
UniProt ID:	Q6MGB5
Cytogenetics:	20p12
Gene Summary:	NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone. The heterotetramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity, and thereby plays a role in mitochondrial fatty acid biosynthesis. Within the heterotetramer, HSD17B8 binds NADH; CBR4 binds NADPD.[UniProtKB/Swiss-Prot Function]