

Product datasheet for RN201524

Hsd17b1 (NM_012851) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hsd17b1 (NM_012851) Rat Untagged Clone
Tag: Tag Free
Symbol: Hsd17b1
Synonyms: 17BHD1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN201524 representing NM_012851
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTCCACGGTAGTGCTCATTACCGGTTGCTCTTCTGGAATTGGCCTGCACTTGGCTGTTTCGTCTGG
 CTTCCGACCGTTCCAGAGCTTCAAAGTTTATGCCACATTGCGGGATCTGAAGTCACAGGGACCATTGTT
 GGAGGCAGCCAGGGCTCAAGGATGCCCTCCTGGCTCCCTGGAGATACTGGAATTGGATGTCAGAGACTCG
 GAATCTGTGGCTGCTGCCGGGCATGCGTGACGGAGGGTCGAGTGGATGTACTGGTCTGTAATGCTGGAC
 GCGGCTTGTTCGGGCCGCTGGAAGCGCATGAGTTGAACGCTGTGGGTGCTGTACTGGATGTAATGTTCT
 TGGGACCATCCGGATGCTTCAGGCCTTTCTGCCAGACATGAAAAGCGCCACTCCGGCGCTGTGCTGGTG
 ACTGCGAGTGTGGGAGGTTTGATGGGGTGCCATTCCACGAAGTGTACTGTGCCAGCAAGTTTGGCCTCG
 AAGGTCTGTGCGAGAGTCTGGCGATCCTGCTGCCGCTCTTTGGAGTCCACGTGAGCCTCATCGAGTGGCG
 GGCAGTGACACAGCCTTCCATGAAAAGCTGGAGGGCGGCCCGGGCGGGGCTCTGGAGCGAGCAGATGCC
 CAGACCCGCCACCTTTTGGCCACTATCAGCGTGGTTATGAGCAAGCCCTGAGCGAGCGCAGGACCCAG
 AGGAGGTGACGGAGCTCTTCTTGACTGCGATGCGAGCCCCGACGCTGCGCTGCGCTACTTCTCCACAAA
 CCGCTTCTGCCGCTGGCCCGAATGCGCACAGAGGACCCAGTGGCAGCAGCTACGTGCAAGCCATGCAC
 CGCGAGGCCTTCTGATCTGCAAGTCCAGGAGGTGCCAAGGCTGGGGCCCAAGTTTCAGGGGATCCAG
 ACACGCCCCCAGAGCCCTCATTGTCTCCCCGAGTGTGCAATCCCTAGGGTGACAGCTGAATTGGGATG
 GTCTGCATCAGATAAACCGGGTCAGAACAATCATGTTACCAGCAAAAGATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_012851
Insert Size:	1035 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_012851.2 , NP_036983.1
RefSeq Size:	1431 bp
RefSeq ORF:	1035 bp
Locus ID:	25322
UniProt ID:	P51657
Cytogenetics:	10q31
Gene Summary:	catalyzes the conversion between 17 beta-hydroxy- and 17-ketosteroids; plays a role in estradiol biosynthesis [RGD, Feb 2006]