

## Product datasheet for **RR215178**

### Hsd17b3 (NM\_054007) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b3 (NM_054007) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd17b3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215178 representing NM_054007 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACAGTTCTCTCTTCCGTGGGGCTGCTTGTGTGCCTCGTTTGCCTGGTGAAGTGTGTGAGGTTCT  
CCCGGTACCTTTTTCTGAGCTTCTGCAAGGCTTTACCAGGTCCTTCTGAGATCAATGGGACAATGGGC  
AGTGATCACCGGAGCAGCGCATGGCATCGGAAAGCCTATTCATTTGAGCTGGCCAGACATGGACTCAAT  
GTTGTAATATCAGCCGACACTGGAAAAGCTACAGGTCATCTCAGAAGAGATTGAGAGGACCAGTGGAA  
GCCGTGTGAAGGTTGTACAAGCAGATTTTACCAGAGAAGACATCTATGACCATATTGAAGAACAACCTTAA  
AGGCTTAGAAATAGGAGTTTTAGTCAACAATGTTGGAATGCTCCCAACCTGCTCCCAAGTCATTTCTCTG  
AGCACGTCCGGTGAGAGCCAGAGTGTACTCCACTGCAACATTACCTCCGTAGTCAAGATGACACAGCTTG  
TTCTCAAACACATGGAATCAAGGCGGAGAGGCCTCATCTTGAATATTTCTCGGGAGTAGGGTTCTGTC  
CTGGCCTCTGTATAGCCTGTACTCAGCTTCCAAGGCTTTGTGTGCACATTTTCCAAGGCTTTGAATGTG  
GAATACAGAGATAAAGGAATCATTATCCAGGTGCTGACCCCTTATTCTGTTTCAACCCCAATGACTAAGT  
ACCTAAATACCAGCAGGGTGACCAAGACCGCCGATGAGTTTGTTAAAGAATCCTTGAAATATGTCACGAT  
TGGAGCTGAAACCTGTGGCTGCCTTGCTCATGAAATCTTGGCGATAATTCTGAACCTGATTCCTCCAGA  
ATCTTCTACAGCAGCACCACCAAGATTTCTCTGAAGCAGTCTCAGATTACCTGAAGAGCAACATCA  
GCAACAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR215178 representing NM\_054007  
Red=Cloning site Green=Tags(s)

MEQFLLSVGLLVCLVCLVKCVRFSTRYLFLSFCKALPGSFLRSMGQWAVITGAGDGIGKAYSFELARHGLN  
 VVLIISRTEKLQVISEEIERTTGSRVKVQADFTREDIYDHIEEQKLEIGVLVNNVGMPLPNLLPSHFL  
 STSGESQSVIHCNITSVVKMTQLVLKHMERRRGLILNISSGVGVRPWPLYSLYSASKAFVCTFSKALNV  
 EYRDKGIIIQVLTTPYSVSTPMTKYLNTSRVTKTADFEVKESLKYVTIGAETCGCLAHEILAILNLIPSR  
 IFYSSTTQRFLKQFSDYLKSNISNR

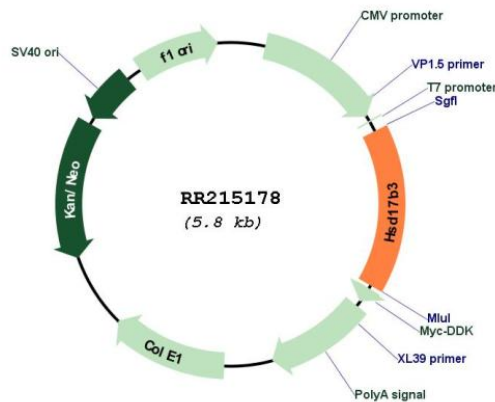
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_054007

<b>ORF Size:</b>	918 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_054007.1</a> , <a href="#">NP_446459.1</a>
<b>RefSeq Size:</b>	1111 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	117182
<b>UniProt ID:</b>	<a href="#">O54939</a>
<b>Cytogenetics:</b>	17p14
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	catalyzes the final step of testosterone biosynthesis in the testis [RGD, Feb 2006]