

Product datasheet for **MG22239**

Hsd17b1 (NM_010475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b1 (NM_010475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hsd17b1
Synonyms:	17beta-HSD; 17HSDB1; E2DH; Hsd17ba
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG22239 representing NM_010475 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCACGGTAGTGCTCATTACCGTTGCTCCTCTGGAATCGGCATGCACTGGCTGTTGCGCTAG
CTTCTGACCGTTCCAGAGCTTCAAAGTTTATGCCACATTGCGGGACCTGAAGGCACAGGGACCATTGTT
GGAGGCCGCCAGGACTCAAGGATGCCCTCCTGGCTCCTGGAGATACTGGAATTGGATGTCAGAGACTCC
AAATCTGTGGCTGCTGCCAGGCATGCGTGACTGAGGGTCGTGTGGATGTACTGGTCTGTAATGCTGGCC
GCGGCTTGTGGCCGCTAGAAGCACATGAATTGAACGCTGTGGGTGCTGTGTTGGATGTGAATGTGCT
TGGGACCATTCCGATGCTGCAGGCCTTTCTGCCAGACATGAAGAGCGCCACTCTGGGCGTGTGCTGGT
ACCGCGAGTGTGGGAGGCTTGTGGGACTGCCATTCCACGAAGTGTACTGTGCCAGCAAGTTTGGCCTCG
AAGTTTGTGCGAGAGTCTGGCGATCCTGCTGCCGCTCTTTGGAGTCCATGTGAGCCTCATCGAGTGTGG
GGCAGTGCACACAGCCTTCTATGAAAAGCTGGTGGCGGGCCCCGGCGGGGCTCTGGAACGAGCAGATGCC
CAGACCCGCCACCTTTTGGCAGTACCTGCGTGGTTATGAGCAAGCCCTGAGCGAGCGCGAGGCCAG
AGGAGGTGACGGAGCTCTTCTGACTGCAATGCGAGCCCCGAGCCCGCTGCGCTACTTCTCCACGAA
CCGTTCTACCCCTGGCCCGAATGCGCACAGAGGATCCAGTGGCAGCAGCTATGTCCGGGCCATGCAC
CAAGAAGCCTTCTAATCTGCAGACCCAGGAGAATGCCAAGCTGGGGCCCAAGTCCCGGGGTCTCGG
ACACGGCCTCCAGCGCCCTCATTTGCCTCCCTGAATGTGCAATCCCTAGGGTGGCATCTGAATTGGGGT
GTCTGCATCGGATAAACCGGGTCAGGACAATTCATGTTACCAGCAAAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222239 representing NM_010475
 Red=Cloning site Green=Tags(s)

MDPTVVLITGCSSGIGMHLAVRLASDRSQSFKVYATLRDLKAQGPLLEAARTQGCPPGSLEILELDVRDS
 KSVAAAQACVTEGRVDLVCNAGRGLFGPLEAHELNAVGAFLDVNVLGTIRMLQAFLLPDMKRRHSGRVLV
 TASVGGMLMGLPFHEVYCASKFALEGLCESLAILLPLFGVHVSLEICGAVHTAFYEKLVGGPGGALERADA
 QTRHLFAHYLRGYEQALSEAQDPPEEVTFLTAMRAPQPALRYFSTNRFLLPLARMRTEDPSGSSYYAAMH
 QEAFSNLQTQENAKAGAQPVGVSdTASSALICLPECAIPRVA SELGWSASDKPGQD NSCYQQKI

TRTRPLE - GFP Tag - V

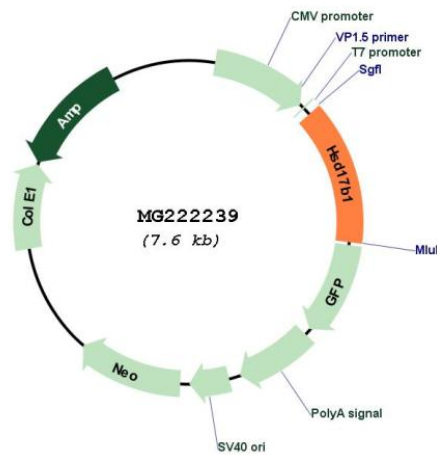
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010475

ORF Size: 1032 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_010475.2
RefSeq Size:	1317 bp
RefSeq ORF:	1035 bp
Locus ID:	15485
UniProt ID:	P51656
Cytogenetics:	11 64.17 cM
Gene Summary:	Favors the reduction of estrogens and androgens. Uses preferentially NADH. [UniProtKB/Swiss-Prot Function]