

Product datasheet for **MG204951**

Hsd17b7 (NM_010476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b7 (NM_010476) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hsd17b7
Synonyms:	A1266814; ERG27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204951 representing NM_010476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGAAGGTGGTTTTGATCACCGGGCGAGCAGTGGCATTGGGCTAGCCCTTTGCGGTGGCTGCTGG
CAGAAGACGATGACCTCCACCTGTGTTGGCGTGTAGGAACCTGAGTAAAGCAAGAGCTGTTGAGATAC
CCTGCTGGCCTCACCCCTCCGCCGAAGTCAGCATCGTGCAGATGGATGTCAGCAGCCTGCAGTCGGT
GTCCGGGGTGCAGAGGAAGTCAAGCAAAAGTTTCAAAGATTAGACTACTTATATCTGAATGCTGGAATCC
TGCTAATCCACAATTCAACCTCAAGGCATTTTTCTGCGGCATCTTTCAAGAAATGTGATTCATATGTT
CACCACAGCGGAAGGAATTTTGACCCAGAATGACTCGGTCACTGCCGACGGTTGCAGGAGGTGTTTGAA
ACCAATCTCTTTGGCCACTTTATTCTGATTCGGGAACCTGGAACCACTTCTCTGCCATGTGGATAACCCCT
CTCAGCTCATCTGGACTTCTCTCGCAATGCAAAGAAGGCTAACTTCAGCCTGGAGGACATCCAGCACTC
CAAAGGCCCGGAACCTACAGCTTCCAAATACGCTACCGACCTCCTGAATGTGGCTTTGAACAGGAAT
TTCAACCAGAAGGGTCTGTATTCCAGTGTGATGTGCCAGGCGTCGTGATGACCAATATGACGTATGGAA
TTTTGCCTCCCTTATCTGGACGTTGCTCCTACCCATAATGTGGCTCCTTCGCTTTTTGTAAATGCGCT
CACTGTGACACCGTACAACGGAGCAGAGGCCCTGGTGTGGCTCTCCACCAAAAACCGGAGTCTCTTAAT
CCTCTGACCAAAATGCGAGCGCCACCTCAGGATTTGGGACTAATTACGTCACGGGCCAAAAGATGGACA
TAGATGAAGACACTGCTGAAAAATTCTATGAGGTCTTACTGGAGCTGAAAAGCGTGTGAGACCACCGT
TCAGAAATCGGATCACCCGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204951 representing NM_010476
 Red=Cloning site Green=Tags(s)

MRKVVLITGASSGIGLALCGRLLAEDDDLHLCLACRNLSKARAVRDTLLASHPSAEVSVIQMDVSSLSQSV
 VRGAEVVKQKFQRLDYLNLNAGILPNPQFNLKAFFCGIFSRNVIHMFTTAEGILTQNDSVTADGLQEVFE
 TNLFGHFILIRELEPLLCHVDNPSQLIWTSSRNAKKANFSLEDIQHSKGPEPYSSSKYATDLLNVALNRN
 FNQKGLYSSVMCPGVVMTNMTYGILPPFIWTL LLPIMWLLRFFVNALVTPYNGAEALVWLFHQKPESLN
 PLTKYASATSGFGTNYVTGQKMDIDETA EK FYEVLLELEKRVRTTVQKSDHPS

TRTRPLE - GFP Tag - V

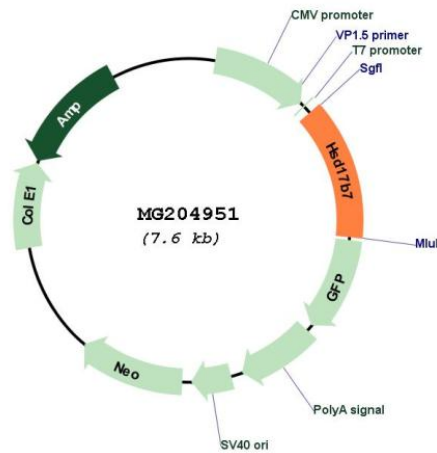
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010476

ORF Size: 1002 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_010476.2
RefSeq Size:	4574 bp
RefSeq ORF:	1005 bp
Locus ID:	15490
UniProt ID:	O88736
Cytogenetics:	1 H3
Gene Summary:	Responsible for the reduction of the keto group on the C-3 of sterols.[UniProtKB/Swiss-Prot Function]