OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG227258

Hsd11b1 (NM_008288) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd11b1 (NM_008288) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hsd11b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG227258 representing NM_008288
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGTTATGAAAAATTACCTCCTCCCGATCCTGGTGCTCTTCCTGGCCTACTACTACTATTCTACAA
ATGAAGAGTTCAGACCAGAAATGCTCCAGGGAAAGAAAGTGATTGTCACTGGGGCCAGCAAAGGGATTGG
AAGAGAAATGGCATATCATCTGTCAAAAATGGGAGCCCATGTGGTATTGACTGCCAGGTCGGAGGAAGGT
CTCCAGAAGGTAGTGTCTCGCTGCCTTGAACTCGGAGCAGCCTCTGCTCACTACATTGCTGGCACTATGG
AAGACATGACATTTGCGGAGCAATTTATTGTCAAGGCGGGAAAGCTCATGGGCGGACTGGACATGCTTAT
TCTAAACCACATCACTCAGACCTCGCTGTCTCTCTTCCATGACGACATCCACTCTGTGCGAAGAGTCATG
GAGGTCAACTTCCTCAGCTACGTGGTCATGAGCACAGCCGCCTTGCCCATGCTGAAGCAGAGCAATGGCA
GCATTGCCGTCATCTCCTCCTTGGCTGGGAAAATGACCCAGCCTATGATTGCTCCCTACTCTGCAAGCAA
GTTTGCTCTGGATGGGTTCTTTTCCACCATTAGAACAGAACTCTACATAACCAAGGTCAACGTGTCCATC
ACTCTCTGTGTCCTTGGCCTCATAGACACAGAAACAGCTATGAAGGAAATCTCTGGGATAATTAACGCCC
AAGCTTCTCCCAAGGAGGAGTGCGCCCTGGAGATCATCAAAGGCACAGCTCTACGCAAAAGCGAGGTGTA
CTATGACAAATCGCCTTTGACTCCAATCCTGCTTGGGAACCCAGGAAGGAAGATCATGGAATTTTTTTCA
TTACGATATTATAATAAGGACATGTTTGTAAGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

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Protein Sequence:

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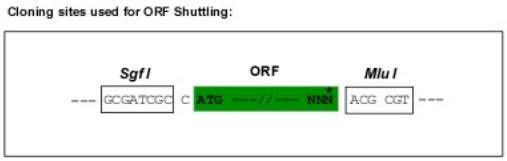
>MG227258 representing NM_008288
Red=Cloning site Green=Tags(s)

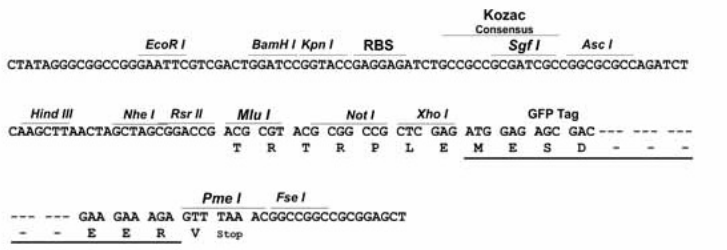
MAVMKNYLLPILVLFLAYYYYSTNEEFRPEMLQGKKVIVTGASKGIGREMAYHLSKMGAHVVLTARSEEG
LQKVVSRCLELGAASAHYIAGTMEDMTFAEQFIVKAGKLMGGLDMLILNHITQTSLSLFHDDIHSVRRVM
EVNFLSYVVMSTAALPMLKQSNGSIAVISSLAGKMTQPMIAPYSASKFALDGFFSTIRTELYITKVNVSI
TLCVLGLIDTETAMKEISGIINAQASPKEECALEIIKGTALRKSEVYYDKSPLTPILLGNPGRKIMEFFS
LRYYNKDMFVSN

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_008288

ORF Size: 876 bp

OTI Disclaimer: 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.

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.

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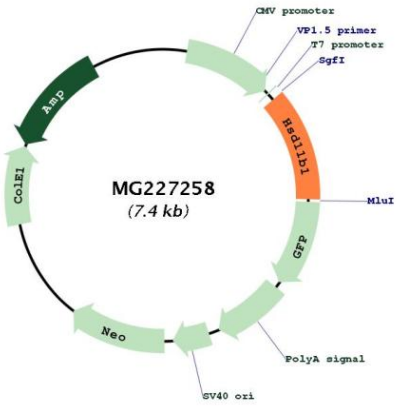
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile 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_008288.2, NP_032314.2
RefSeq Size:	1381 bp
RefSeq ORF:	879 bp
Locus ID:	15483
UniProt ID:	P50172
Cytogenetics:	1 H6
Gene Summary:	Catalyzes reversibly the conversion of cortisol to the inactive metabolite cortisone. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG227258

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