

Product datasheet for **RG221601**

HSD11B1L (NM_198706) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSD11B1L (NM_198706) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HSD11B1L
Synonyms: 11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221601 representing NM_198706
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGGTGCTTCTCCTCACAGGGCTGGGGCCCTGTTCTTCGCCTATTATTGGGATGACAACTTCGACC
CAGCCAGCCTCCAGGGAGCGGAGTGCTGCTGACAGGGGCAACGCTGGTGTGGTGAGGAGCTGGCCTA
TCACTACGCGCTCTGGGCTCCACCTGGTGCTCACTGCCACACTGAGGCTCTCCTGCAGAAGGTGGTA
GGGAAGTCCGGAAGCTGGGCGCCCCAAGGTCTTCTACATCGCGCGGACATGGCCTCCCTGAGGCGC
CCGAGAGCGTGGTGCAGTTTGCCTGGACAAGCTGGGCGGGCTGGACTACCTCGTCTGAACCACATCGG
CGGCGCCCCGGCCGACGCGAGCCCGCAGCCCCAGGCAACTCGCTGGCTCATGCAGGTAACCTTTGTG
AGCTACGTGCAACTGACGTGCGGGCGCTGCCAGCCTGACGGACAGCAAGGGCTCCCTGGTGGTGGTGT
CCTCGCTGCTCGGCCGCTGCCACGTCGTTCTCCACTCCCTACTCGGCGCCAAGTTTGCCTGGACGG
CTTCTTCGGCTCCCTGCGCGGGAGCTGGACGTGACAGGAGTGAACGTGGCCATCACCATGTGCGTCCTG
GGCCTCCGAGATCGGCCTCCGCCGCGAGGAGTCAAGGGGAGTCAAGGGGCAAGGGCGCCCCGGGGC
CCAAGGCAGCCCTGGCCGTGATCCGCGCGGCCACGCGCGCGGCCGGCTCTTCTACCCGTGGCGTTT
CCGCTGTGTGCTTCTCCGGCGCTGGTACCAGCGCCCGGGCGCTGGTTTATCCGCCAGGAGCTCAAC
GTCACGGCCGCGGAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221601 representing NM_198706
Red=Cloning site Green=Tags(s)

MKVLLL TGLGALFFAYYWDNFDPSLQGARVLLTGANAGVGEELAYHYARLGSHLVLT AHT EALLQKVV
 GNCRKLGAPKVFYIAADMASPEAPESVVQFALDKLGGLDYLVLNHI GGAPAGTRARSPQATR WLMQVNFV
 SYVQLTSRALPSLTDSKGLVVVSSLLGRVPTSFSTPYSAAKFALD GFFGSLRRELDVQDVNVAITMCVL
 GLRDRASAAEAVRGVTRVKAAPGPKAALAVIRGGATRAAGVFYPWRFRLLCLLRWLPRPRAWFIRQELN
 VTAAAA

TRTRPLE - GFP Tag - V

Restriction Sites:

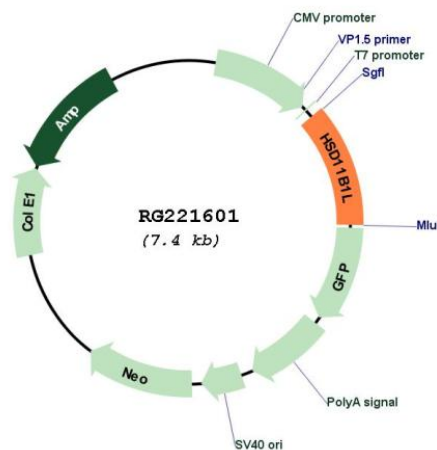
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_198706

ORF Size: 858 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_198706.3 |
| RefSeq Size: | 1677 bp |
| RefSeq ORF: | 861 bp |
| Locus ID: | 374875 |
| UniProt ID: | Q7Z5J1 |
| Cytogenetics: | 19p13.3 |
| Protein Families: | Druggable Genome |
| Gene Summary: | This gene is a member of the hydroxysteroid dehydrogenase family. The encoded protein is similar to an enzyme that catalyzes the interconversion of inactive to active glucocorticoids (e.g. cortisone). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012] |