

Product datasheet for **RG233428**

HSD11B1L (NM_001267870) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSD11B1L (NM_001267870) 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: >RG233428 representing NM_001267870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGTGCTTCTCCTCACAGGGCTGGGGCCCTGTTCTTCGCCTATTATTGGGATGACAACTTCGACC
 CAGGTAACCTTTGTGAGCTACGTGCAACTGACGTCGCGGGCGCTGCCAGCCTGACGGACAGCAAGGGCT
 CCCTGGTGGTGTCTCGCTGCTCGGCCGCGTCCACGTCGTTCTCCACTCCCTACTCGCGGCCAA
 GTTTGCGCTGGACGGCTTCTCGGCTCCCTGCGCGGGAGCTGGAGCTGCAGGACGTGAACGTGGCCATC
 ACCATGTGCGTCTGGGCTCCGAGATCGGCCTCCGCGCCGAGGCAGTCAGGGGAGTCACGAGGGTCA
 AGGCGGCCCGGGGCCAAGGCAGCCCTGGCCGTGATCCGCGGGCGGCCACGCGCGGGCCGCGCTCTT
 CTACCCGTGGCGTTTCCGCTGTGTGCTTGTCCGCGCTGGCTACCGGCCCGGGCCCTGGTTTATC
 CGCCAGGAGCTCAACGTACGGCCGCGGAGCCTGAGCACCGGGGGTGGCCCTCCAGTCCAGACGGCA
 ATGTTCTCCCTCCAACGTCCCTGGAGCCAGAACACTCACAGAGACACCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233428 representing NM_001267870
 Red=Cloning site Green=Tags(s)

MKVVLLTGLGALFFAYYWDNFDPGKLCELRATDVAGAAQPDGQQLPGGVLAARPRAHVVLHSLGGQ
 VCAGRLLRLPAAGAGRAGRERGHVHPGPPRSRLRRRGSQGSHEGQGGPGAQGSPPGRPRRRHARGRRL
 LPVAFPPAVLAPALATAPAGLVYPPGAQRHGRGSLSTGGCPSSPRRQCSSLQLSLEPEHSQRHP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001267870

ORF Size: 612 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:

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_001267870.2](#)

RefSeq Size: 1625 bp

RefSeq ORF: 615 bp

Locus ID: 374875

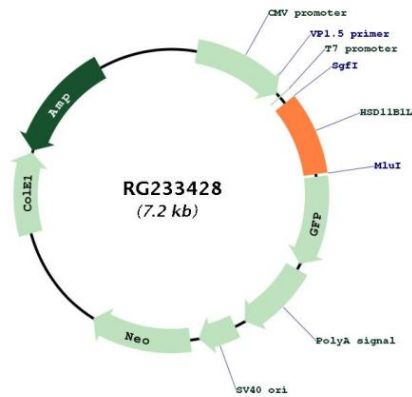
UniProt ID: [Q7Z5J1](#)

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]

Product images:



Circular map for RG233428