

Product datasheet for RC232226

HSD11B1L (NM_001267871) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSD11B1L (NM_001267871) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: HSD11B1L
Synonyms: 11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232226 representing NM_001267871
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGTGCTTCTCCTCACAGGGCTGGGGCCCTGTTCTTCGCCTATTATTGGGATGACAACTTCGACC
 CAGGCGGGCTGGACTACCTCGTGCTGAACCACATCGGCGGCGCCCGGCCGCACGCGAGCCCGCAGCCC
 CCAGGCAACTCGCTGGCTCATGCAGGTAACCTTTGTGAGCTACGTGCAACTGACGTGCGGGCGCTGCC
 AGCCTGACGGACAGCAAGGGCTCCCTGGTGGTGTCTCGCTGCTCGGCCGCTGCCACGTCGTTCT
 CCACTCCCTACTCGGCGGCAAGTTTGGCTGGACGGCTTCTTCGGCTCCCTGCGCGGGAGCTGGACGT
 GCAGGACGTGAACGTGGCCATCACCATGTGCGTCTGGGCCTCCGAGATCGCGCCTCCGCCCGGAGGCA
 GTCAGGAGCTCAACGTCACGGCCGCGCAGCCTGAGCACCGGGGGTGCCCTCCAGTCCCAGACGGCAA
 TGTTCTCCCTCCAACGTCCCTGGAGCCAGAACAACACTCACAGAGACACCCTGAGAGGGTGGCCACAGCC
 CAAGATGAAGTCATCAAGACAGAAAAGCAAAACCGAGAAAACGACGGGCACCTGGAACCACTCACGGCT
 TGGGAGGTGCAGGTGCCCGTGTAGGCGCCTTGTGCGGGACTGCAAGGCCTCACCTGTTGGCCATG
 AT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC232226 representing NM_001267871
 Red=Cloning site Green=Tags(s)

MKVLLLTGLGALFFAYYWDNDFPGGLDYLVLNHIGGAPAGTRARSPQATRWMQVNFVSYVQLTSRALP
 SLTDSKGSLLVVSSLLGRVPTSFSTPYSAAKFALDGGFGLSLRRELDVQDVNVAITMCVLGLRDRASAAEA
 VRSSTSRRPQPEHRGVPLQSQTAMFLPPTVPGARTLTETPLRGWPQPKMKSSRQKSKTEKNDGHLPEPVT
 AWEVQVPRVRRRCRGLARPHLFGHD

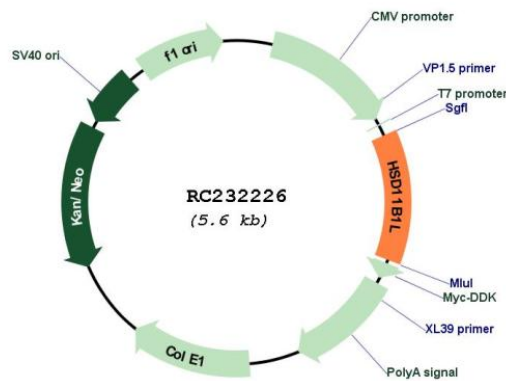
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001267871
ORF Size: 702 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_001267871.2
RefSeq Size:	1554 bp
RefSeq ORF:	705 bp
Locus ID:	374875
UniProt ID:	Q7Z5J1
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
MW:	26.2 kDa
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]