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Product datasheet for RC222110

HSD11B1L (NM_198533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD11B1L (NM_198533) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSD11B1L
Synonyms:	11-beta-HSD3; 11-DH3; HSD1L; HSD3; SCDR10; SCDR10B; SDR26C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC222110 representing NM_198533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGTGCTTCTCCTCACAGGGCTGGGGGCCCTGTTCTTCGCCTATTATTGGGATGACAACTTCGACC
CAGCCAGCCTCCAGGGAGCGCGAGTGCTGCTGACAGGGGCCAACGCTGGTGTTGGTGAGGAGCTGGCCTA
TCACTACGCGCGTCTGGGCTCCCACCTGGTGCTCACTGCCCACACTGAGGCTCTCCTGCAGAAGGTGGTA
GGGAACTGCCGGAAGCTGGGCGCCCCCAAGGTCTTCTACATCGCGGCGGACATGGCCTCCCCTGAGGCGC
CCGAGAGCGTGGTGCAGTTTGCGCTGGACAAGCTGGGCGGGCTGGACTACCTCGTGCTGAACCACATCGG
CGGCGCCCCGGCCGGCACGCGAGCCCGCAGCCCCCAGGCAACTCGCTGGCTCATGCAGGTAAACTTTGTG
AGCTACGTGCAACTGACGTCGCGGGCGCTGCCCAGCCTGACGGACAGCAAGGGCTCCCTGGTGGTGGTGT
CCTCGCTGCTCGGCCGCGTGCCCACGTCGTTCTCCACTCCCTACTCGGCGGCCAAGTTTGCGCTGGACGG
CTTCTTCGGCTCCCTGCGGCGGGAGCTGGACGTGCAGGACGTGAACGTGGCCATCACCATGTGCGTCCTG
GGCCTCCGAGATCGCGCCTCCGCCGCCGAGGCAGTCAGGAGCTCAACGTCACGGCCGCGGCAGCCTGAGC
ACCGGGGGGTGCCCCTCCAGTCCCAGACGGCAATGTTCCTCCCTCCAACTGTCCCTGGAGCCAGAACACT
CACAGAGACACCCCTGAGAGGGTGGCCACAGCCCAAGATGAAGTCATCAAGACAGAAAAGCAAAACCGAG
AAAAACGACGGGCACCTGGAACCAGTCACGGCTTGGGAGGTGCAGGTGCCCCGTGTTAGGCGCCTTTGTC
GGGGACTTGCAAGGCCTCACCTGTTTGGCCATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RC222110 representing NM_198533
Red=Cloning site Green=Tags(s)

MKVLLLTGLGALFFAYYWDDNFDPASLQGARVLLTGANAGVGEELAYHYARLGSHLVLTAHTEALLQKVV
GNCRKLGAPKVFYIAADMASPEAPESVVQFALDKLGGLDYLVLNHIGGAPAGTRARSPQATRWLMQVNFV
SYVQLTSRALPSLTDSKGSLVVVSSLLGRVPTSFSTPYSAAKFALDGFFGSLRRELDVQDVNVAITMCVL
GLRDRASAAEAVRSSTSRPRQPEHRGVPLQSQTAMFLPPTVPGARTLTETPLRGWPQPKMKSSRQKSKTE
KNDGHLEPVTAWEVQVPRVRRLCRGLARPHLFGHD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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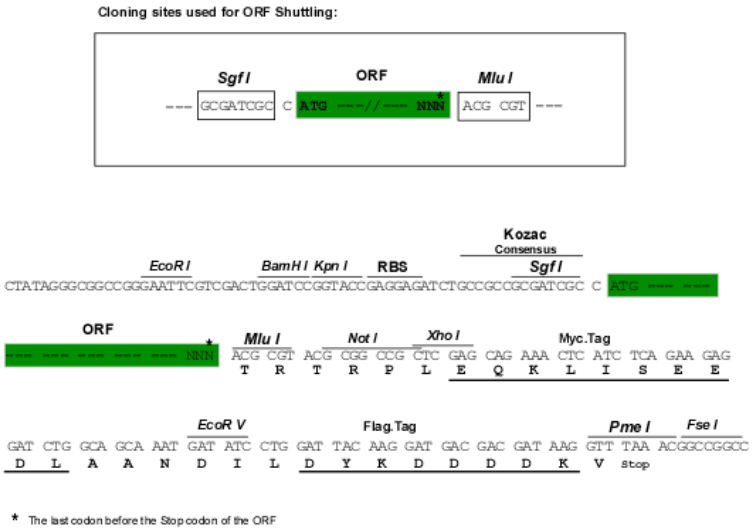
Chromatograms: https://cdn.origene.com/chromatograms/mk6115_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198533

ORF Size: 945 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).

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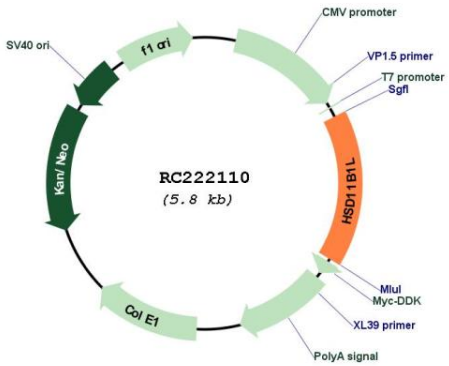
Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_198533.3
RefSeq Size:	1542 bp
RefSeq ORF:	948 bp
Locus ID:	374875
UniProt ID:	Q7Z5J1
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
MW:	34.1 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]

Product images:



Circular map for RC222110

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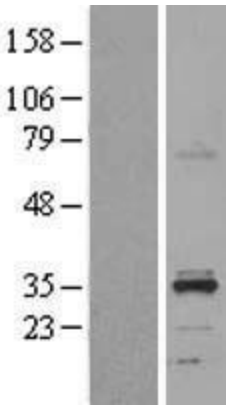

Western blot validation of overexpression lysate (Cat# [LY403686]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222110 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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