

Product datasheet for **RG213132**

HSD17B13 (NM_178135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD17B13 (NM_178135) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HSD17B13
Synonyms:	HMFN0376; NIIL497; SCDR9; SDR16C3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213132 representing NM_178135 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCATCCTAGAAATCCTTCTGCTTCTGATCACCATCATCTACTCCTACTGGAGTCGTTGGTGA
AGTTTTTCATTCTCAGAGGAGAAAATCTGTGGCTGGGGAGATTGTTCTCATTACTGGAGCTGGGCATGG
AATAGGCAGGCAGACTACTTATGAATTTGCAAAACGACAGAGCATATTGGTTCTGTGGGATTAATAAG
CGCGGTGTGGAGGAACTGCAGCTGAGTGCCGAAAACAGCGTCACTGCGCATGCGTATGTGGTAGACT
GCAGCAACAGAGAAGAGATCTATCGCTCTCTAAATCAGGTGAAGAAAGAAGTGGGTGATGTAACAATCGT
GGTGAATAATGCTGGGACAGTATATCCAGCCGATCTTCTCAGCACCAAGGATGAAGAGATTACCAAGACA
TTTGAGGTCAACATCCTAGGACATTTTTGGATCAGAAAAGCACTTCTCCATCGATGATGGAGAGAAATC
ATGGCCACATCGTCACAGTGGCTTCAGTGTGCGGCCACGAAGGGATTCTTACCTCATCCCATATTGTTTC
CAGCAAAATTTGCCGCTGTTGGCTTTACAGAGGTCTGACATCAGAACTTCAGGCCTTTGGGAAAACTGGT
ATCAAAACCTCATGTCTCTGCCAGTTTTTGTGAATACTGGGTTACCAAAAATCCAAGCACAAGATTAT
GGCCTGTATTGGAGACAGATGAAGTCGTAAGAAGTCTGATAGATGGAATACTTACCAATAAGAAAATGAT
TTTTGTCCATCGTATATCAATATCTTTCTGAGACTACAGAAGTTTCTTCTGAACGCGCCTCAGCGATT
TTAAATCGTATGCAGAATATTCAATTTGAAGCAGTGGTTGGCCACAAAATCAAAATGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213132 representing NM_178135
 Red=Cloning site Green=Tags(s)

MNIILEILLLLITIIYSYLESLVKFFIPQRRKSVAGEIVLITGAGHGIGRQTTYEFAKRQSILVLWDINK
 RGVEETAAECKRLGVTAHAYVVDCSNREEIYRSLNOVKKEVGDTVIVVNNAGTVYPADLLSTKDEEITKT
 FEVNILGHFWITKALLPSMMERNHGHIVTASVCGHEGIPYLIPYCSSKFAAVGFHRGLTSELQALGKTG
 IKTSCLCPVAVNTGFTKNPSTRLWPVLETDEVVRSIDGILTNKKMIFVPSYINIFLRLQKFLPERASAI
 LNRMQNIQFEAVVGHKIKMK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178135

ORF Size: 900 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_178135.5](#), [NP_835236.2](#)

RefSeq Size: 2377 bp

RefSeq ORF: 903 bp

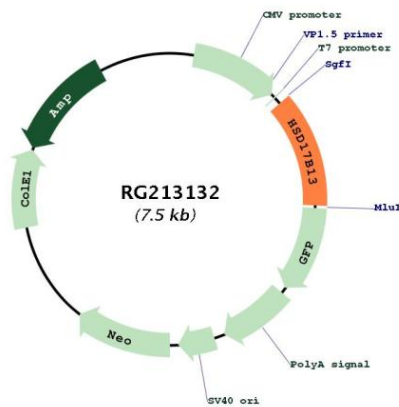
Locus ID: 345275

UniProt ID: [Q7Z5P4](#)

Cytogenetics: 4q22.1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Circular map for RG213132