

## Product datasheet for RC240268

### HSD17B13 (NM\_178135) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | HSD17B13 (NM_178135) Human Tagged ORF Clone                       |
| Tag:                      | Myc-DDK   |
| Symbol:                   | HSD17B13  |
| Synonyms:                 | HMFN0376; NIIL497; SCDR9; SDR16C3                                 |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC240268 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACATCATCCTAGAAATCCTTCTGCTTCTGATCACCATCATCTACTCCTACTGGAGTCGTTGGTGA  
AGTTTTTCATTTCCTCAGAGGAGAAAATCTGTGGCTGGGGAGATTGTTCTCATTACTGGAGCTGGGCATGG  
AATAGGCAGGCAGACTACTTATGAATTTGCAAAACGACAGAGCATATTGGTTCTGTGGGATTAATAAG  
CGCGGTGTGGAGGAACTGCAGCTGAGTGCCGAAAACAGGCGTCACTGCCGATGCGTATGTGGTAGACT  
GCAGCAACAGAGAAGAGATCTATCGCTCTAAATCAGGTGAAGAAAGAAGTGGGTGATGTAACAATCGT  
GGTGAATAATGCTGGGACAGTATATCCAGCCGATCTTCTCAGCACCAAGGATGAAGAGATTACCAAGACA  
TTTGAGGTCAACATCCTAGGACATTTTTGGATCAGAAAAGCACTTCTCCATCGATGATGGAGAGAAATC  
ATGGCCACATCGTCACAGTGGCTTCAGTGTGCGGCCACGAAGGGATTCTTACCTCATCCCATATTGTTCC  
CAGCAAAATTTGCCGCTGTTGGCTTTACAGAGGTCTGACATCAGAACTTCAGGCCTTGGGAAAACTGGT  
ATCAAAACCTCATGTCTCTGCCAGTTTTTGTGAATACTGGGTTACCAAAAATCCAAGCACAAGATTAT  
GGCCTGTATTGGAGACAGATGAAGTCGTAAGAAGTCTGATAGATGGAATACTTACCAATAAGAAAATGAT  
TTTTGTCCATCGTATATCAATATCTTTCTGAGACTACAGAAGGTTTCTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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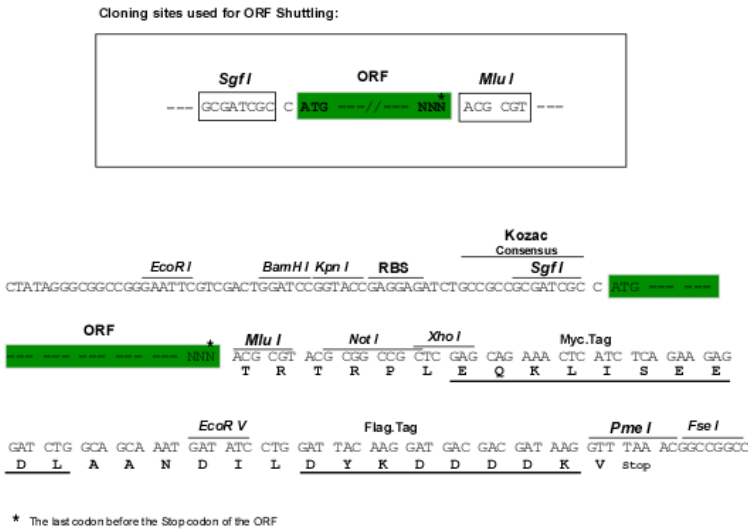
**Protein Sequence:** >RC240268 protein sequence  
 Red=Cloning site Green=Tags(s)

MNIILEILLLLITIIYSYLESLVKFFIPQRRKSVAGEIVLITGAGHGIGRQTTYEFAKRQSI LVLWDINK  
 RGVEETA AECRKLGVTAHAYVVDCSNREEIYRSLNOVKKEVGDVTIVVNNAGTVYPADLLSTKDEEITKT  
 FEVNILGHFWITKALLPMMERNHGHIVTVASVCGHEGIPYLIPYCSSKFAAVGFHRLTSELQALGKTG  
 IKTSCLCPVVFNTGFTKNPSTRLWPVLETDEVVRS LIDGILTNKKMIFVPSYINIFLRLQKVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178135

**ORF Size:** 822 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:** 2368 bp

**RefSeq ORF:** 903 bp

**Locus ID:** 345275

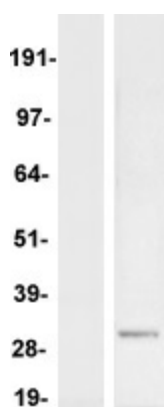
**UniProt ID:** [Q7Z5P4](#)

**Cytogenetics:** 4q22.1

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**MW:** 30.6 kDa

### Product images:



Western blot validation of overexpression lysate (Cat# [LY440268]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC240268 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).