

Product datasheet for **RR206057**

Hsd17b13 (NM_001009684) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b13 (NM_001009684) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd17b13
Synonyms:	MGC108860
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206057 representing NM_001009684 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCATCCTGGAGCTTCTCTTGCTGGTGGGCATCATCTACTCCTACCTGGAGTCACTGGTAA
AGTTCTTCATTCCCCAGAGAAGAAAGTCTGTGGCCGGACAGACTGTTCTCATCACAGGAGCTGGACACGG
AATAGGCAGGCTGACGGCTTATGAATTTGCAAAGCAGAAAAGCAGATTGGTCTGTGGGATATTAGTAAG
CACGGTGTGAGGAAACCGCAGCCAAATGCAGGAACTGGGGCTGTCGTGCACGTGTTTGTGGTGGACT
GCAGCAACCGGGCAGAGATTTACAAGTCTGTGGATCAGGTAAGAAAGAAGTTGGTGACATAGAGATTGT
GGTAAACAACGCTGGGGCAATTTATCCAGCCGACCTTCTTAGCACCAAGGATGAGGAGATACCAAGACC
TTCGAGGTCAACATCCTAGGACATTTTTGGATCATAAAAAGCACTCCTTCCATCGATGCTGAGAAGAACT
CTGGCCACATTGTCACAGTGGCTTCAGTGTGTGGCCACAGAGTGATTCTTATCTCATCCATATTGCTC
CAGCAAGTTTCGCTGTGTGGCTTCCACAGAGCACTGACTGCAGAACTGGACACCTTGGGAAAACCGGT
ATCAAAACCTCCTGTCTCTGCCCTGTGTTCTGTGAATACTGGCTTACCAAAAACCAAGTACCAGTTAT
GGCCTGTGTTAGAGCCGGATGAAGTTGCAAGGAGTCTGATCGATGGGATACTTACCAACAAGAAAATGAT
CTTCGTTCCGTCCTATATCAATATCTCTAATAGTGGAAATGTTTTTCTGAACGTGTCTTAAAAGCT
ATAAACCGTATACAGAATATTCAGTTTGAAGCGATTGTGGCCACAGAACCAAGAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206057 representing NM_001009684
Red=Cloning site Green=Tags(s)

MNLILELLLLLVGIIISYLESLVKFFIPQRRKSVAGQTVLITGAGHGIGRLTAYEFAKQKSRLVLWDISK
 HGVEETAACKRKLGAVVHVFVDCSNRAEIKYKSDQVKKVEVDIEIVVNNAGAIYPADLLSTKDEEITKT
 FEVNILGHFWIIKALLPSMLRRNSGHIVTVASVCGHRVIPYLIPYCCKFAAVGFHRLTAELDTLGKTG
 IKTSCLCPVVFNTGFTKNPSTRLWPVLEPDEVARSLIDGILTNKKMIFVPSYINISLIVEMFFPERVLKA
 INRIQNIQFEAIVGHRTRKRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001009684

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_001009684.1](#), [NP_001009684.1](#)

RefSeq Size: 1323 bp

RefSeq ORF: 903 bp

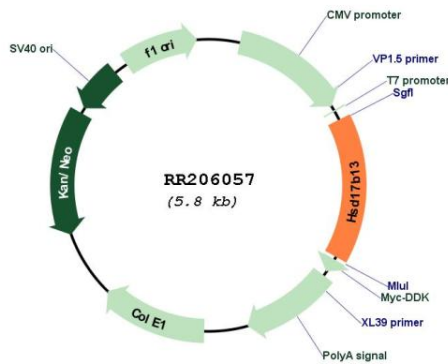
Locus ID: 305150

UniProt ID: [Q5M875](#)

Cytogenetics: 14p22

MW: 33.5 kDa

Product images:



Circular map for RR206057