

Product datasheet for **MR204267**

Hsd17b13 (NM_198030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hsd17b13 (NM_198030) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hsd17b13
Synonyms:	AI047820; Pan1b; PAN1B-like
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204267 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCATCCTGGAATTTCTCCTTCTGGTGGGCGTCATCTACTCCTACCTGGAGTCACTGGTAA
AGTTCTTCATTCCCGGAGAAGGAAATCTGTGACCGGCAGACCGTTCTCATCACGGGGCCGGACACGG
AATAGGCAGGCTGACTGCATATGAATTTGCAAAGCAGAAAAGCAGACTGGTTCTATGGGATATCAATAAG
CGTGGTGTGAGGAAACCGCGGACAAATGCAGGAACTGGGGCCGTCGTGCACGTGTTTGTGGTGGACT
GCAGCAACCGGGCCGAGATTTACAACCTGTGGATCAGGTAAGAGAGAAGTAGGTGATGTCGAGATCGT
GGTAAACAACCGCGGGCGATATATCCAGCAGACCTTCTTAGTGCCAAGGACGAGGAGATACCAAGACC
TTTGAGGTCAATATCCTCGGACATTTTTGGATCATAAAAAGCACTCCTTCCATCGATGCTGAGAAGAACT
CTGGCCACATTGTCACAGTGGCTTCGGTGTGCGGCCACGGAGTGATTCTTATCTCATCCCTATTGCTC
CAGCAAGTTTGTGCTGTGGGCTTCCACCGAGCACTGACCGCAGAAGTGGACACCTTGGGAAAACCGGT
ATCAAAACCTCGTGTCTCTGCCCTGTGTTCTGTAATACTGGCTTACCAAAAACCGAGTACAAGTTAT
GGCCTGTATTAGAGCCGGAAGAAGTTGCAAGGAGTCTGATCAATGGAATACTTACCAACAAGAAAATGAT
TTTCGTTCCATCCTATATCAATATTTTTCTGATCCTGGAAAAGGACCTGGATTCAAGTCCAAGCACCCA
CATGGTGGTCTCAACAGCCTGTTACTCCAATCCAGGGGATTTGACACCCTTTCAGACTTCTCAAAC
AC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204267 protein sequence
Red=Cloning site Green=Tags(s)

MNLILEFLLLGVIIYSYLESLVKFFIPRRRKSVTGQTVLITGAGHGIGRLTAYEFAKQKSRLVLWDINK
 RGVEETADKCRKLGAVVHVFDVDCSNRAEIYNSVDQVKREVDVEIVVNNAGAIYPADLLSAKDEEITKT
 FEVNILGHFWIIKALLPSMLRRNSGHIIVTASVCGHGVIPYLIPYCCKFAAVGFHRLTAELDTLGKGTG
 IKTSCLCPVVFNTGFTKNPSTRLWPVLEPEEVARSLINGILTNKKMIFVPSYINIFLILEKGGPFSSKHP
 HGGSQPVTPIPGDLTPSSDFLKH

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_198030

ORF Size: 915 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_198030.1](#)

RefSeq Size: 1730 bp

RefSeq ORF: 915 bp

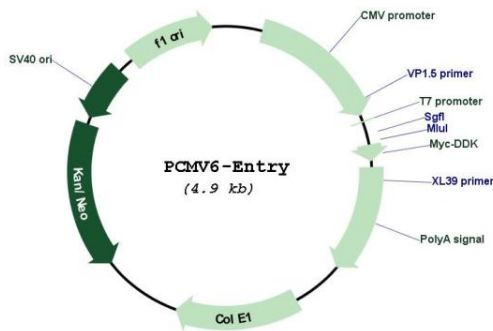
Locus ID: 243168

UniProt ID: [Q8VCR2](#)

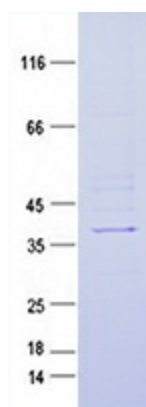
Cytogenetics: 5 E5

MW: 33.5 kDa

Product images:



Circular map for MR204267



Coomassie blue staining of purified Hsd17b13 protein (Cat# [TP504267]). The protein was produced from HEK293T cells transfected with Hsd17b13 cDNA clone (Cat# MR204267) using MegaTran 2.0 (Cat# [TT210002]).