

Product datasheet for **RR200917**

Havcr1 (NM_173149) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Havcr1 (NM_173149) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Havcr1
Synonyms:	KIM-1; Kim1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200917 representing NM_173149 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCAACTTCAAGTCTTCATTTAGGCCTCCTGCTGCTTCTCCAGGCTCTGTAGATTCTTATGAAG
TAGTGAAGGGGTGGTGGGTACCCTGTCACAATCCATGTACTACTCAACACGTGGAGGAATCACAAC
GACATGTTGGGGCCGGGGCAATGCCATATTCTAGTTGTCAAAATATACTTATTTGGACCAATGGATAC
CAAGTACCTATCGGAGCAGCGTGCATACAACATAAAGGGGCGTATTTGAGAAGGAGACGTATCCTTGA
CAATAGAGAACTCTGTTGATAGTATAGTGGTCTGTATTGTTGCCGAGTGGAGATTCTGGATGGTTCAA
CGATCAGAAAATGACTTTTTCATTGGAAGTTAAACCAGAAATCCCAACAGTCTCCAACAGACCCACA
ACTACAAGACCCACAACCACAAGGCCCAACTATTTCAACAAGATCCACACATGTACCAACATCAACCA
GAGTCTCCACCTCTACTCCAACACCAGAACAAACACAGACTCACAAACCAGAAATCACTACATTTTATGC
CCATGAGACAACCTGCTGAGGTGACAGAACTCCATCATATACTCCTGCAGACTGGAATGGCACTGTGACA
TCCTCAGAGGAGGCTGGAATAATCACACTGTAAGAATCCCTTTGAGGAAGCCGAGAGAAACCCGACTA
AGGGCTTCTATGTTGGCATGTCCGTTGCAGCCCTGCTGCTGCTGCTGCTGCGAGCACCGTGGTTGTCAC
CAGGTACATCATTATAAGAAAAGAAGATGGGCTCTCTGAGCTTTGTTGCCTTCCATGTCTTAAGAGTAGA
GCTTTGCAGAACGCAGCATTGTGCATCCCCGAGCTGAAGACAACATCTACATTATTGAAGATAGATCTC
GAGGTGCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200917 representing NM_173149
Red=Cloning site Green=Tags(s)

MVQLQVFIISGLLLLLPGSVDSYEVVKGVVGHPVTIPCTYSTRGGITTTTCWGRGQCPYSSCQNILIWNTGY
 QVTYRSSGRYNIKGRISEGDVSLTIENSVSDSGLYCCRVEIPGWFNQKMTFSLEVKPEIPTSPPTRPT
 TTRPTTTRPTTISTRSTHVPTSTRVSTSTPTPEQTQTHKPEITTFYAHETTAEVTETPSYTPADWNGTVT
 SSEEAWNHTVRIPLRKPQRNPTKGFYVGMSSVAALLLLLLLASTVVVTRYIIRKKMGSLSFVAFHVSKSR
 ALQNAIVHPRAEDNIYIIEDRSRGAE

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_173149

ORF Size: 921 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_173149.2](#), [NP_775172.1](#)

RefSeq Size: 2538 bp

RefSeq ORF: 924 bp

Locus ID: 286934

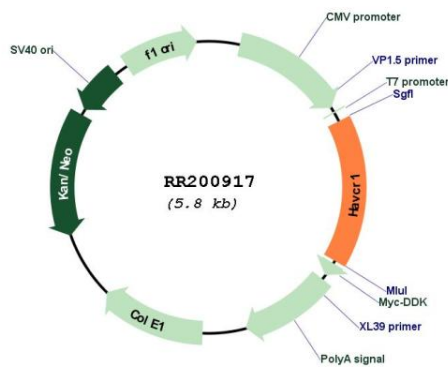
UniProt ID: [O54947](#)

Cytogenetics: 10q21

MW: 34 kDa

Gene Summary: may be a member of the mucosal addressin cell adhesion molecule family; may be involved in restoration of the morphological integrity and function to postischemic kidney [RGD, Feb 2006]

Product images:



Circular map for RR200917