

Product datasheet for **RR200269**

Hip1r (NM_031234) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hip1r (NM_031234) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hip1r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200269 representing NM_031234 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGCATCAAGAATGTGCCGGCGCGGGTCTGAGCCGAGGCCGGCCATAGCCTAGAGGCCGAGC
GCGAGCAGTTCGACAAGACGCAGGCCATCAGTATCAGCAAAGCCATCAACAGCCAGGAGGCCCCAGTGAA
GGAGAAGCATGCCCGCGTATCATTCTGGGCACTCACCATGAGAAAGGAGCCTTTACCTTCTGGTCCCTAT
GCCATCGGCCTGCCGCTGCCAGCAGCTCCATCCTCAGTTGGAAATTCTGTCACGTCCTTACAAAAGTCC
TCCGAGATGGACACCCCAATGTGCTGCATGACTGCCAGCGGTACCGGAGCAACATACGTGAGATTGGCGA
CTTGTGGGGCCACCTACGTGACCAGTATGGACACCTGGTGAATATCTATAACCAAAGTCTGCTGACTAAA
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GAAGCTTCTGAGTCAGTTTTCCGGCAGCTCAACACAGCCATCGCAGTGTACAGATGTCTTCTGGCCAG
TGTCGCCTGGCGCGCTCATCCAGGTATCCAGGACTGCAGCCACCTGTACCACTACACGGTGAAGTCA
TGTTCAAGCTCCACTCCTGTCTCCAGCAGACACCCTGCAAGGCCACAGGGATCGGTTCCACGAGCAGTT
TCACAGTCTCAGAACTTCTTCCGCCGAGCCTCGGACATGCTCTACTTCAAGCGACTCATCCAGATCCCC
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GGAGCCATTCGGCAGCGTGAGGCAGAGCTGCTGGCTGCCAGAGCCTGGTGCGGGAGAAGGAAGAGGCTC
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 GACAACCAGCTCGACAAGAAGGATGGTGTCTACCCAGCTCAACTTGTGAAGTAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RR200269 representing NM_031234
 Red=Cloning site Green=Tags(s)

MNSIKNVPARVLSRRPGHSLAEREQFDKTAISISKAINSQEAAPVKEKHARRIILGTHHEKGAFWFSY
 AIGLPLPSSSILSWKFCHVLHKVLRDGHVNLHDCQRYRSNIREIGDLWGLRDQYGHLVNIYTKLLTK
 ISFHLKHPQFPAGLEVTDVLEKAAGTDVNNIFQLTVMFDYMDCELKLSVFRQLNTAIAVSQMSGQ
 CRLAPLIQVIQDCSHLYHYTVKLMFKLHSLPADTLQGHDRDFHEQFHSLRNFFRRASDMLYFKRLIQIP
 RLPEGPPNFLRASALAEHIKPVVVIPEEAPEEEEEPENLIEISSGPPAGEPVVVADLFDQTFGPPNGSMKD
 DRDLQIENLKREVETLRAELEKIKMEAQRYSQLKQVNSLEAELEEQRKQKQKALVDNEQLRHELAQLK
 ALQLEGARNQGLREEAERKASATEARYSKLKEKHNELINTHAELLRKNADTAKQLTVTQQSQEEVARVKE
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 DTIVNGGATSHLAPDPAIDLIDTCRECGARALELMGQLQDQTKLPRAQPSLMRAPLQGIQLGQDLKPK
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 AASTAQLVAASKVKANKNSPHLSRLQECSTVNRAANVASTKSGEQIEDRDTMDFSGLSLIKLLKQKQ
 METQVRVLELEKTLEAERVRLGELRKQHYVLAGGMGTPGEEEPSPAPRSGATKKPPLAQKPSIAPRP
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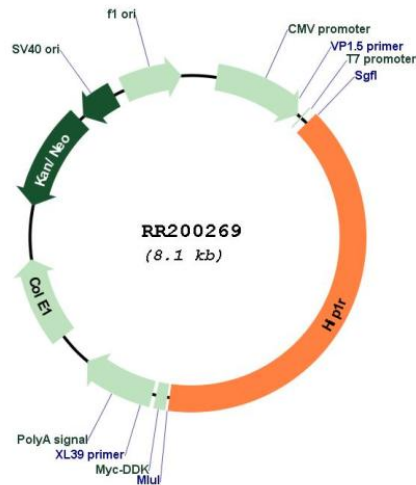
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031234

ORF Size:

3204 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:	<ol style="list-style-type: none">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:	<u>NM_031234.1</u> , <u>NP_112513.1</u>
RefSeq Size:	4354 bp
RefSeq ORF:	3207 bp
Locus ID:	81917
Cytogenetics:	12q15
MW:	119.4 kDa
Gene Summary:	may interact with F-actin, huntingtin, and huntingtin interacting protein HIP1; may play a role in vesicular mediated transport [RGD, Feb 2006]