

Product datasheet for **RG216638**

HIP1R (NM_003959) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | HIP1R (NM_003959) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | HIP1R |
| Synonyms: | HIP3; HIP12; ILWEQ |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG216638 representing NM_003959 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAACAGCATCAAGAACGTGCCGGCGGGTGTGAGCCGAGGCCGGCCACAGCCTGGAGGCCGAGC
GCGAGCAGTTCGACAAGACCCAGGCCATCAGCATCAGCAAAGCCATCAACACCCAGGAGGCCCGTGAA
GGAGAAGCAGGCCCGCGCATCTTCTGGGCACACACCAGAGAGGGGGCTTTCACCTTCTGGTCTAT
GCCATTGGGCTGCCGCTGCCAGCAGCTCCATTCTCAGCTGGAAGTTCTGCCACGTCTCCACAAGTCC
TTCGAGACGGGCACCCCAATGTGTGCTGATGACTGCCAGCGGTACCGCAGCAACATCCGGGAGATTGGAGA
CCTGTGGGACATTTGCATGACCGCTACGACAGCTGGTGAATGTCTACACCAAGCTGCTGCTGACCAAG
ATCTCCTTCCACCTCAAGCATCCCCAGTTTCCCGGGCCTGGAGGTGACAGATGAGGACTGGAGAAGG
CAGCTGGGACCGATGTCAACAACATCTTCCAGCTCACTGTGGAGATGTTTGATTACATGGATTGTGAGCT
GAAGCTTCTGAATCAGTTTTCCGACAGCTCAACACGGCCATCGCCGATCCCAGATGTCCTCAGGCCAG
TGCCGCTGGCCCCCTCATCCAGGTATCCAGGACTGCAGCCACCTCTACCACTACACGGTCAAGCTCC
TGTTCAAGCTACACTCTGTCTCCCTGCCGACACCCTGCAAGGCCACAGGGACCGGTTCCACGAGCAGTT
TCACAGCCTCAGGAATCTTCCGACAGCCTCCGACATGCTGTACTTCAAGCGGCTCATCCAGATCCCC
CGGCTGCCGAGGGACCCCTAACTTCTGCGGGCCTCAGCCCTGGCTGAGCACATCAAGCCGGTGGTGG
TGATCCCCGAGGAGGCCCGGAAGATGAGGAGCCGGAGAATCTCATTGAGATCAGCACAGGGCCCCCGC
GGGGGAGCCAGTGGTGGTGGCTGACCTCTTCGATCAGACGTTTGGACCCCAATGGGTCTGTGAAGGAC
GACAGGGACCTCCAGATTGAGAGCTTGAAGAGAGAGGTGGAAATGCTCCGCTCTGAACTGGAGAAGATCA
AGCTGGAGGCCACGCGTACATCGCGCAGCTGAAGAGCCAGGTGAATGCACTGGAGGGTGGAGCTGGAGGA
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GCTGCCAGCTGGAGGGCGAGCGGAGCCAGGGCCTGCGTGAGGAGGCTGAGAGGAAGGCCAGTGCCACGG
AGGCGCGCTACAACAAGCTGAAGGAAAAGCACAGTGAGCTCGTCCATGTGCACCGGAGCTGCTCAGAAA
GAACGCGGACACAGCCAAGCAGCTGACGGTACGACGAGCAAAGCCAGGAGGAGTGGCCGGGTGAAGGAG



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CAGCTGGCCTTCCAGGTGGAGCAGGTGAAGCGGGAGTCGGAGTTGAAGCTAGAGGAGAAGAGCGACCAGC
 TGGAGAAGCTCAAGAGGGAGCTGGAGGCCAAGGCCGGAGAGCTGGCCCGCGCGCAGGAGGCCCTGAGCCA
 CACAGAGCAGAGCAAGTCGGAGCTGAGCTCACGGCTGGACACGCTGAGTGGCGAGAAGGATGCTCTGAGT
 GGAGCTGTGCGGCAGCGGGAGGCAGACCTGCTGGCGGCGCAGAGCCTGGTGGCGGAGACAGAGGCCGGCGC
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 TTGAAGATGCTGTGCGGAGGATTGAGGACATGATGAACCAGGCACGCCACGCCAGCTCGGGGTGAAGCT
 GGAGGTGAACGAGAGGATCCTCAACTCCTGCACAGACCTGATGAAGGCTATCCGGCTCCTGGTGACGACA
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 GCCTGCAGGAATGTTCTCGCACAGTCAATGAGAGGGCTGCCAATGTGGTGGCCTCCACCAAGTCAAGGCA
 GGAGCAGATTGAGGACAGAGACCATGGATTTCTCCGGCCTGTCCCTCATCAAGCTGAAGAAGCAGGAG
 ATGGAGACGCAGGTGCGTGTCTGGAGCTGGAGAAGACGCTGGAGGCTGAACGCATGCGGCTGGGGGAGT
 TCGGGAAGCAACTACTGTGCTGGTGGGACATCAGGCAGCCCTGGAGAGGAGGTGGCCATCCGGCCAG
 CACTGCCCCCGAAGTGTAAACCACCAAGAAACCACCCCTGGCCCAAGCCAGCTGGCCCCAGACAG
 GACCACAGCTTGACAAAAGGATGGCATCTACCAGCTCAACTCGTGAAGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216638 representing NM_003959
 Red=Cloning site Green=Tags(s)

MNSIKNVPARVLSRRPGHSLAEREQFDKTAISISKAINTQEAPVKEKHARRIILGTHHEKGAFTFSY
 AIGLPLPSSSILSWKFCHVLHKVLRDGHNVLHDCQRYRSNIREIGDLWGLHLDHYGQLVNVYTKLLLTK
 ISFHLKHPQFPAGLEVTDVLEKAAGTDVNNIFQLTVMFDYMDCELKLSVFRQLNTAIAVSQMSSGQ
 CRLAPLIQVIQDCSHLYHYTVKLLFKLHLSCLPADTLQGHRDRFHQFHSRLRNFRRASDMLYFKRLIQIP
 RLPEGPPNFLRASALAEHIKPVVVIPEEAPDEEPEENLIEISTGPPAGEPVVVADLFDQTFGPPNGSVKD
 DRDLQIESLKVREMLRSELEKIKLEAQRVIAQLKSQVNALEGELEEQRKQKQKALVDNEQLRHELAQLR
 AAQLEGERSQGLREEAERKASATEARYNKLKEKHSELVHVHAELLRKNADTAKQLTVTQQSQEEVARVKE
 QLAFAQVEQVKRESELKLEEKSDQLEKLRLEAKAGELARAQEALSHTEQSKSELSSRLDTLSAEKDALS
 GAVRQREADLLAAQSLVRETEAALSREQQRSSQEQELQGRLAERESQEQLRQRLLEQFVAVLRGAAAE
 AAGILQDAVSKLDDPLHLRCTSSPDYLVSRAQEALDAVSTLEEHAQYLTSLADASALVAALTRFSLHAA
 DTIINGGATSHLAPDPAADRLIDTCRECGARALELMGQLDQDQALRHMQASLVRTPLQGILQLGQELKPK
 SLDVQRQELGAVVDKEMAATSAIEDAVRRIEDMMNQARHASSGVKLEVNERILNSCTDLMKAIRLLVTT
 STSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWATQLVEAADKVVLTHTGKYEELIVCSHEI
 AASTAQLVAASKVKANKHSPHL SRLQECSRTVNERAANVVASTKSGQEIQIEDRDTMDFSGLSLIKLLKQ
 METQVRVLELEKTLEAERMRLGELRKQHYVLAGASGSPGEEVAIRPSTAPRSVTTKKPPLAQKPSVAPRQ
 DHQLDKKDGIIYPAQLVNY

TRTRPLE – GFP Tag – V

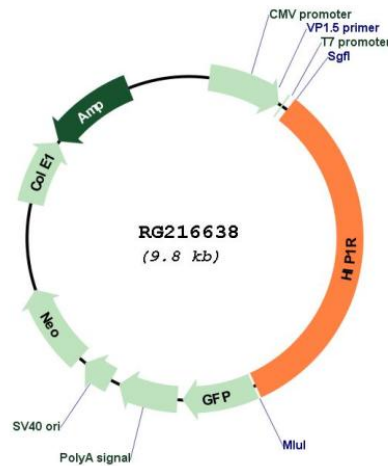
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_003959

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.

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| 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_003959.1</u> , <u>NP_003950.1</u> |
| RefSeq Size: | 4473 bp |
| RefSeq ORF: | 3207 bp |
| Locus ID: | 9026 |
| UniProt ID: | <u>Q75146</u> |
| Cytogenetics: | 12q24.31 |
| Gene Summary: | Component of clathrin-coated pits and vesicles, that may link the endocytic machinery to the actin cytoskeleton. Binds 3-phosphoinositides (via ENTH domain). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis.[UniProtKB/Swiss-Prot Function] |