

Product datasheet for RC216638

HIP1R (NM_003959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP1R (NM_003959) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIP1R
Synonyms:	HIP3; HIP12; ILWEQ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216638 representing NM_003959 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGCATCAAGAACGTGCCGGCGGGTGTGAGCCGAGGCCGGCCACAGCCTGGAGGCCGAGC
GCGAGCAGTTCGACAAGACCCAGGCCATCAGCATCAGCAAAGCCATCAACACCCAGGAGGCCCGTGAA
GGAGAAGCAGGCCCGGCATCATTCTGGGCACACACCACGAGAAGGGGGCTTTCACCTTCTGGTCTAT
GCCATTGGGCTGCCGCTGCCAGCAGCTCCATTCTCAGCTGGAAGTTCTGCCACGTCTCCACAAGTCC
TTCGAGACGGGCACCCCAATGTGTGCTGACTGCCAGCGGTACCGCAGCAACATCCGGGAGATTGGAGA
CCTGTGGGACATTTGCATGACCCTACGACAGCTGGTGAATGTCTACACCAAGCTGCTGCTGACCAAG
ATCTCCTTCCACCTCAAGCATCCCCAGTTTCCCGGGCCTGGAGGTGACAGATGAGGACTGGAGAAGG
CAGCTGGGACCGATGTCAACAACATCTTCCAGCTCACTGTGGAGATGTTTGATTACATGGATTGTGAGCT
GAAGCTTCTGAATCAGTTTTCCGACAGCTCAACACGGCCATCGCCGTATCCAGATGTCCTCAGGCCAG
TGCCGCTGGCCCCCTCATCCAGGTATCCAGGACTGCAGCCACCTCTACCACTACACGGTCAAGTCC
TGTTCAAGCTACACTCTGTCTCCCTGCCGACACCCTGCAAGGCCACAGGGACCGGTTCCACGAGCAGTT
TCACAGCCTCAGGAAGTCTTCCGACAGCCTCCGACATGCTGTACTTCAAGCGGCTCATCCAGATCCCC
CGGCTGCCGAGGGACCCCTAAGTCTTCCGCGGCTCAGCCCTGGCTGAGCAGATCAAGCCGGTGGTGG
TGATCCCCGAGGAGGCCCGGAAGATGAGGAGCCGGAGAATCTCATTGAGATCAGCACAGGGCCCCCGC
GGGGGAGCCAGTGGTGGTGGCTGACCTCTTCGATCAGACGTTTGGACCCCAATGGGTCTGTGAAGGAC
GACAGGGACCTCCAGATTGAGAGCTTGAAGAGAGAGGTGGAAATGCTCCGCTCTGAACTGGAGAAGATCA
AGCTGGAGGCCAGCGGTACATCGCGCAGCTGAAGAGCCAGGTGAATGCACTGGAGGGTGGAGCTGGAGGA
GCAGCGGAAGCAGAAGCAGAAGGCCCTGGTGGATAATGAGCAGCTCCGCCACGAGCTGGCCAGCTGAGG
GCTGCCAGCTGGAGGGCGAGCGGAGCCAGGGCTGCGTGAGGAGGCTGAGAGGAAGGCCAGTGCCACGG
AGGCGCGCTACAACAAGCTGAAGGAAAAGCACAGTGAGCTCGTCCATGTGCACCGGAGCTGCTCAGAAA
GAACGCGGACACAGCCAAGCAGCTGACGGTACGCGAGCAAAGCCAGGAGGAGGTGCCGGGTGAAGGAG



[View online »](#)

CAGCTGGCCTTCCAGGTGGAGCAGGTGAAGCGGGAGTCGGAGTTGAAGCTAGAGGAGAAGAGCGACCAGC
 TGGAGAAGCTCAAGAGGGAGCTGGAGGCCAAGGCCGGAGAGCTGGCCCGCGCGCAGGAGGCCCTGAGCCA
 CACAGAGCAGAGCAAGTCGGAGCTGAGCTCACGGCTGGACACGCTGAGTGC GGAGAAGGATGCTCTGAGT
 GGAGCTGTGCGGCAGCGGGAGGCAGACCTGCTGGCGGCGCAGAGCCTGGTGC GGAGACAGAGGCCGGCGC
 TGAGCCGGGAGCAGCAGCGCAGCTCCCAGGAGCAGGGCGAGTTGCAGGGCCGGCTGGCAGAGAGGGAGTC
 TCAGGAGCAGGGGCTGCGGCAGAGGCTGCTGGACGAGCAGTTCCGAGTGTTCGGGGCGCTGCTGCCGAG
 GCCGCGGGCATCCTGCAGGATGCCGTGAGCAAGCTGGACGACCCCTGCACCTGCCTGTACCCAGCTCCC
 CAGACTACCTGGTGAGCAGGGCCAGGAGGCCTTGGATGCCGTGAGCACCCCTGGAGGAGGGCCACGCCCA
 GTACCTGACCTCCTTGGCAGACGCTCCGCCCTGGTGGCAGCTCTGACCCGCTTCTCCACCTGGCTGCG
 GATACCATCATCAATGGCGGTGCCACCTCGCACCTGGCTCCCACCGACCCTGCCGACCGCTCATAGACA
 CCTGCAGGGAGTGC GGGGCCGGGCTCTGGAGCTCATGGGGCAGCTGCAGGACCAGCAGGCTCTGCGGCA
 CATGCAGGCCAGCCTGGTGC GGACACCCCTGCAGGGCATCCTTCAGCTGGGCCAGGAACTGAAACCCAAG
 AGCCTAGATGTGCGGCAGGAGGAGCTGGGGCCGTGGTCGACAAGGAGATGGCGGCCACATCCGACGCCA
 TTGAAGATGCTGTGCGGAGGATTGAGGACATGATGAACCAGGCACGCCACGCCAGCTCGGGGTGAAGCT
 GGAGGTGAACGAGAGGATCCTCAACTCCTGCACAGACCTGATGAAGGCTATCCGGCTCCTGGTGACGACA
 TCCACTAGCCTGCAGAAGGAGATCGTGGAGAGCGGCAGGGGGGACGCCACGCAGCAGGAATTTTACGCCA
 AGAACTCGCGCTGGACCGAAGGCCTCATCTCGGCCTCAAAGGCTGTGGGCTGGGGAGCCACACAGCTGGT
 GGAGGCAGCTGACAAGGTGGTGCTTACACGGGCAAGTATGAGGAGCTCATCGTCTGCTCCCACGAGATC
 GCAGCCAGCAGGCCAGCTGGTGGCGGCTCCAAAGTGAAGGCCAACAGCACAGCCCCACCTGAGCC
 GCCTGCAGGAATGTTCTCGCACAGTCAATGAGAGGGCTGCCAATGTGGTGGCCTCCACCAAGTCAAGGCA
 GGAGCAGATTGAGGACAGAGACCATGGATTTCTCCGGCCTGTCCCTCATCAAGCTGAAGAAGCAGGAG
 ATGGAGACGCAGGTGCGTGTCTGGAGCTGGAGAAGACGCTGGAGGCTGAACGCATGCGGCTGGGGGAGT
 TCGGGAAGCAACTACTGTGCTGGTGGGCATCAGGCAGCCCTGGAGAGGAGGTGGCCATCCGGCCACG
 CACTGCCCCCGAAGTGTAAACCACAAGAAACCACCCCTGGCCCAAGCCAGCTGGCCCCAGACAG
 GACCACCAGCTTGACAAAAGGATGGCATCTACCCAGCTCAACTCGTGAAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216638 representing NM_003959
 Red=Cloning site Green=Tags(s)

MNSIKNVPARVLSRRPGHSLAEREQFDKTQAIISKAINTQEAPVKEKHARRIILGTHHEKGAFTFWSY
 AIGLPLPSSSILSWKFCHVLHKVLRDGHNVLDHCQRYRSNIREIGDLWGLHLDHYGQLVNVYTKLLLTK
 ISFHLKHPQFPAGLEVTDVLEKAAGTDVNNIFQLTVMFDYMDCELKLSVFRQLNTAIAVSQMSGGQ
 CRLAPLIQVIQDCSHLYHYTVKLLFKLHSLPADTLQGHRDRFHEQFHSLRNFFRRASDMLYFKRLIQIP
 RLPEGPPNFLRASALAEHIKPVVVIPEEAPDEEPEENLIEISTGPPAGEPVVVADLFDQTFGPPNGSVKD
 DRDLQIESLKVREVMRSELEKIKLEAQRYIAQLKSQVNALEGELEEQRKQKQKALVDNEQLRHELAQLR
 AAQLEGRSQGLREEAERKASATEARYNKLKEKHSSELVHVHAE LLRNADTAKQLTVTQQSQEEVARVKE
 QLAFAQVEQVKRESELKLEEKSDQLEKLEKRELEAKAGELARAQEAALSHTEQSKSELSSRLDTLSAEKDALS
 GAVRQREADLLAAQSLVRETEAALSREQRSSQE QGELQGRLAERESQEQLRQRLLEQFVAVLRGAAA
 AAGILQDAVSKLDDPLHLRCTSSPDYLVSRAQEALDAVSTLEEGHAQYLTSLADASALVAALTRFSLAA
 DTIINGGATSHLAPDPADRLIDTCREGARALELMGQLQDQALRHMQASLVRTPLQGILQLGQELKPK
 SLDVQRQEEELGAVVDKEMAATSAIEDAVRRIEDMMNQARHASSGVKLEVNERILNSCTDLMKAIRLLVTT
 STSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWGATQLVEAADKVVLTHTGKYEELIVCSHEI
 AASTAQLVAASKVKANKHSPHL SRLQECSRTVNERAANVVASTKSGQE QIEDRDTMDFSGLSLIKLLKQ
 METQVRVLELEKTLEAERMRLGELRKQHYYVLAGASGSPGEEVAIRPSTAPRSVTTKKPPLAQKPSVAPRQ
 DHQLDKKDGIIYPAQLVNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8017_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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_003959.1](#), [NP_003950.1](#)

RefSeq Size: 4473 bp

RefSeq ORF: 3207 bp

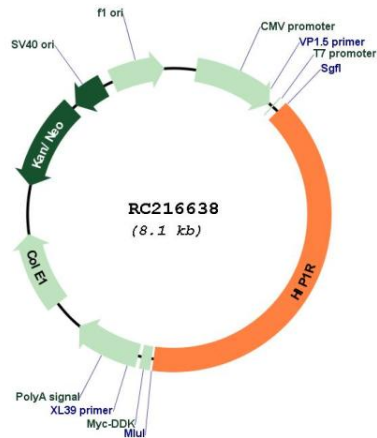
Locus ID: 9026

UniProt ID: [O75146](#)

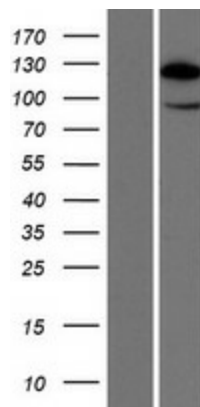
Cytogenetics: 12q24.31
MW: 119.2 kDa

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]

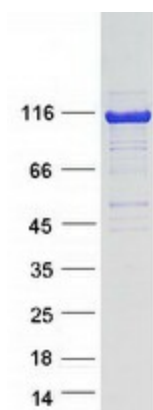
Product images:



Circular map for RC216638



Western blot validation of overexpression lysate (Cat# [LY418325]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216638 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HIP1R protein (Cat# [TP316638]). The protein was produced from HEK293T cells transfected with HIP1R cDNA clone (Cat# RC216638) using MegaTran 2.0 (Cat# [TT210002]).