

Product datasheet for MR211576

Hip1r (NM_145070) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hip1r (NM_145070) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hip1r
Synonyms: AA410023; mKIAA0655
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211576 representing NM_145070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACAGCATCAAGAATGTGCCGGCGGGTGTGAGCCGAGGCCGGCCACAGCCTAGAGGCCGAGC
 GCGAGCAGTTCGACAAGACGCAGGCCATCAGTATCAGCAAAGCCATCAACAGCCAGGAGGCCCCAGTGAA
 GGAGAAGCATGCCCGCGTATCATCTGGGCACGCATCATGAGAAGGGAGCCTTTACCTTCTGGTCTAT
 GCCATCGGCTGCCGCTGCCAGCAGCTCCATCCTCAGCTGGAAGTTCTGTACGTCCTTACAAGTCC
 TCCGGGACGGACACCCCAACGTCTGCATGACTATCAGCGGTACCGGAGCAACATACGTGAGATCGGTGA
 CTGTGGGGCCACCTTCGTGACCAGTATGGACACCTGGTGAATATCTATACCAAACCTGTTGCTGACTAAG
 ATCTCCTTCCACCTTAAGCATCCCCAGTTTCTGCAGGCCTGGAGGTAACAGATGAGGTGTTGGAGAAGG
 CGGCGGGAAGTGTGCAACAACATTTTTCAGCTTACCGTGGAGATGTTTACTACATGGACTGTGAACT
 GAAGCTTCTGAGTCAGTTTTCCGGCAGCTCAACACGGCCATCGCAGTGTCCAGATGTCTTCTGGCCAG
 TGTCGCCTAGCGCCGCTCATCCAGGTCAATCAGGACTGCAGCCACCTGTACCACTACACAGTGAAGTCA
 TGTTTAAGCTGCACTCCTGTCTCCGGCAGACACCCTGCAAGGCCACAGGGATCGGTTCCACGAGCAGTT
 TCACAGCCTCAAAAATCTCTCCGGCAGCTTCAGACATGCTGTACTTCAAGAGGCTCATCCAGATCCCC
 CGGCTGCCGAGGGACCCCAATTTCTGCGGGCTTCAGCCCTGGCTGAGCACATCAAGCCGGTGGTGG
 TGATTCGAGGAGGCCAGAGGAAGAGGAGCCTGAGAACCTAATTGAAATCAGCAGTGCACCCCTGC
 TGGGGAGCCAGTGGTGGTGGCTGACCTCTTTGATCAGACCTTTGGACCCCAATGGCTCCATGAAGGAT
 GACAGGGACCTCCAAATCGAGAAGTGAAGAGAGAGGTGGAGACCCTCCGTGCTGAGCTGGAGAAGATTA
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 GCAGCGCAAGCAGAAGCAGAAGGCCCTGGTGGACAACGAGCAGCTGCGCCACGAGCTGGCCAGCTCAAG
 GCCCTGCAGCTGGAGGGCGCCCAACAGGGCCTTCGAGAGGAAGCAGAGAGGAAGGCCAGTGCCACGG
 AGGCACGCTACAGCAAGCTGAAGGAGAAACACAGCGAACTCATTAAACCCACGCCGAGCTGCTCAGGAA
 GAACGCAGACACGCCAAGCAGCTGACAGTGACACAGCAGAGCCAGGAGGAGGTGCCACGGTAAAGGAA



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CAGCTGGCCTTCCAGATGGAGCAAGCGAAGCGTGAGTCTGAGATGAAGATGGAAGAGCAGAGCGACCAGT
 TGGAGAAGCTCAAGAGGGAGCTGGCGGCCAGGGCAGGAGAGCTGGCCCGTGCAGCAGGAGGCCCTGAGCCG
 CACAGAACAGAGTGGGTGAGAGCTGAGCTCACGGCTGGACACACTGAATGCGGAGAAGGAAGCTCTGAGT
 GGAGTCGTTCCGACAGCGTGGAGCAGAGCTGCTGGCCGCTCAGAGCCTGGTGCAGGAGAAGGAGGAGGCAC
 TTAGCCAAAGAGCAGCAGCGGAGCTCCCAGGAGAAGGGCGAGCTACGGGGCAGCTGGCAGAAAAGGAGTC
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 GCAGAGGCCATCCTACAGGATGCAGTGAAGCAAGCTGGACGACCCCTGCACCTCCGCTGCACCAGCTCCC
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 GACACCATTGTAATGGTGCCGCCACCTCCCACCTGGCCCCACCGACCCGCGGACCGCTGATGGACA
 CATGCAGGGAGTGTGGAGCCCGGCTCTGGAGCTGGTGGGACAGCTGCAAGACCAGACAGTGTACCGAG
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 TTGAGGACGCTGTGCGGAGGATCGAGGACATGATGAGCCAGGCCGCCACGAGAGCTCGGGCGTAAACT
 GGAGGTGAATGAGAGGATCCTCAACTCCTGCACAGACCTGATGAAGGCTATCCGGCTCCTGGTGTGACC
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 AGAATTCACGGTGGACTGAAGGCCTCATCTCAGCCTCTAAGGCAGTGGGCTGGGGAGCCACACAGCTGGT
 GGAGTCAGCTGACAAGTTGTGCTTACATGGGCAATACGAGGAACTCATCGTCTGCTCCCATGAGATT
 GCGGCCAGCAGGCCAGCTGGTGGCAGCCTCGAAGGTGAAAGCCAACAAGAAGTCCCACTTGGCC
 GCCTGCAGGAATGTTCCCGCACTGTCAACGAGAGGGCTGCCAACGTCGTGGCCTCCACCAATCTGGCCA
 GGAGCAGATTGAGGACAGAGACCATGGATTTCTTGGCCTGTCCCTCATCAAGTTGAAGAAGCAGGAG
 ATGGAGACACAGTTCGAGTCTTGGAGCTGGAGAAGACACTAGAGGCAGAGCGTGTCCGGCTCGGGGAGC
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 CCCAGTCCCGAAGTGGGGCCACTAAGAAGCCACCGCTGGCCAGAAACCAGCATAGCCCCAGGACA
 GACAACCAGCTCGACAAAAGGATGGTGTCTACCCAGCTCAACTTGTGAAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211576 representing NM_145070
 Red=Cloning site Green=Tags(s)

MNSIKNVPARVLSRRPGHSLAEREQFDKTAISISKAINSQEAPVKEKHARRIILGTHHEKGAFTFWSY
 AIGLPLSSSSILSWKFCHVLHKVLRDGHNVLDHYQRYRSNIREIGDLWGHLRDQYGHVNIYTKLLLTK
 ISFHLKHPQFPAGLEVTDVLEKAAGTDVNNIFQLTVMFDYMDCELKLSVFRQLNTAIAVSQMSSGQ
 CRLAPLIQVIQDCSHLYHYTVKLMFKLHSLPADTLQGHRDRFHEQFHSLNKFFRRASDMLYFKRLIQIP
 RLPEGPPNFLRASALAEHIKPVVVIPEEAPEEEEEPENLIEISSAPPAGEPVVADLFDQTFGPPNGSMKD
 DRDLQIENLKREVELRAELKIKMEAQRYISQLKGQVNGLEAELEEQRKQKQKALVDNEQLRHELAQLK
 ALQLEARNQGLREEAERKASATEARYSKLKEKHSELINTHAELLRKNADTAKQLTVTQQSQEEVARVKE
 QLAFQMEQAKRESEMKEEQSDQLEKLRKELARAGELARAQEAALSRTEQSGSELSSRLDTLNAEKEALS
 GVVQRQEAELLAQSLVREKEEALSQEQQRSSQEKELRGQLAEKESQEQGLRQKLLDEQLAVLRSAAA
 AEAAILQDAVSKLDDPLHLRCTSSPDYLVSRQAALDSVSGLEQGHQYLASEDASALVAALTRFSLAA
 DTIVNGAATSHLAPDTPADRLMDCRECGARALELVGQLQDQTVLPRAQPSLMRAPLQGIQLGQDLKPK
 SLDVQRQELGAMVDKEMAATSAIEDAVRRIEDMMSQARHESSGVKLEVNERILNSCTDLMKAIRLLVMT
 STSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWGATQLVESADKVVLMHGKYEELIVCSHEI
 AASTAQLVAASKVKANKNSPHLSRLQECSTVNRAANVVASTKSGQEIQIEDRDTMDFSGLSLIKLLKQ
 METQVVRVLELEKTLEAERVRLGELRQHYVLAGGMGTPSEEPSRSPAPRSGATKKPPLAQKPSIAPRT
 DNQLDKKDGVYPAQLVNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9095_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145070

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_145070.3](#), [NP_659507.3](#)

RefSeq Size: 4402 bp

RefSeq ORF: 3207 bp

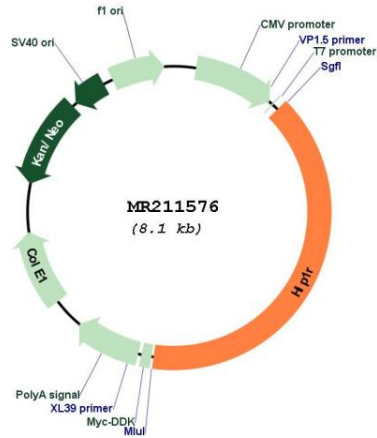
Locus ID: 29816

UniProt ID: [Q9JKY5](#)

Cytogenetics: 5 F
MW: 119.4 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 MR211576