

Product datasheet for **MG211576**

Hip1r (NM_145070) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hip1r (NM_145070) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hip1r
Synonyms: AA410023; mKIAA0655
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG211576 representing NM_145070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACAGCATCAAGAATGTGCCGGCGGGTGTGAGCCGAGGCCGGCCACAGCCTAGAGGCCGAGC
 GCGAGCAGTTCGACAAGACGCAGGCCATCAGTATCAGCAAAGCCATCAACAGCCAGGAGGCCCCAGTGAA
 GGAGAAGCATGCCCGCGTATCATCTGGGCACGCATCATGAGAAGGGAGCCTTTACCTTCTGGTCTAT
 GCCATCGGCCTGCCGCTGCCAGCAGCTCCATCCTCAGCTGGAAGTTCTGTACGTCCTTACAAGTCC
 TCCGGGACGGACACCCCAACGTCTGCATGACTATCAGCGGTACCGGAGCAACATACGTGAGATCGGTGA
 CTGTGGGGCCACCTTCGTGACCAGTATGGACACCTGGTGAATATCTATACCAAACCTGTTGCTGACTAAG
 ATCTCCTTCCACCTTAAGCATCCCCAGTTTCTGCAGGCCTGGAGGTAACAGATGAGGTGTTGGAGAAGG
 CGGCGGGAAGTGTCAACAACATTTTTCAGCTTACCGTGGAGATGTTTACTACATGGACTGTGAACT
 GAAGCTTCTGAGTCAGTTTTCCGGCAGCTCAACACGGCCATCGCAGTGTCCAGATGTCTTCTGGCCAG
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 TGTTTAAGCTGCACTCCTGTCTCCGGCAGACACCCTGCAAGGCCACAGGGATCGGTTCCACGAGCAGTT
 TCACAGCCTCAAAAACCTCTCCGGCAGCTTCAGACATGCTGTACTTCAAGAGGCTCATCCAGATCCCC
 CGGCTGCCGAGGGACCCCAATTTCTGCGGGCTTCAGCCCTGGCTGAGCACATCAAGCCGGTGGTGG
 TGATCCCGAGGAGGCCAGAGGAAGAGGAGCCTGAGAACCTAATTGAAATCAGCAGTGCACCCCTGC
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 GAACGCAGACACGCCAAGCAGCTGACAGTGACACAGCAGAGCCAGGAGGAGTGGCACGGGTAAGGAA



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CAGCTGGCCTTCCAGATGGAGCAAGCGAAGCGTGAGTCTGAGATGAAGATGGAAGAGCAGAGCGACCAGT
 TGGAGAAGCTCAAGAGGGAGCTGGCGGCCAGGGCAGGAGAGCTGGCCCGTGCGCAGGAGGCCCTGAGCCG
 CACAGAACAGAGTGGGTGAGAGCTGAGCTCACGGCTGGACACACTGAATGCGGAGAAGGAAGCTCTGAGT
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 ATGGAGACACAGTTCGAGTCTTGGAGCTGGAGAAGACACTAGAGGCAGAGCGTGTCCGGCTCGGGGAGC
 TTCGAAACAGCACTATGTACTGGCTGGGGGATGGGAACACCTAGCGAAGAAGAACCAGCAGACCCAG
 CCCAGTCCCGAAGTGGGGCCACTAAGAAGCCACCGCTGGCCAGAAACCAGCATAGCCCCAGGACA
 GACAACCAGCTCGACAAAAGGATGGTGTCTACCCAGCTCAACTTGTGAAGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211576 representing NM_145070

Red=Cloning site Green=Tags(s)

MNSIKNVPARVLSRRPGHSLAEREQFDKTAISISKAINSQEAPVKEKHARRIILGTHHEKGAFTFSY
 AIGLPLSSSSILSWKFCHVLHKVLRDGHNVLDHYQRYRSNIREIGDLWGHLRDQYGHVNIYTKLLLTK
 ISFHLKHPQFPAGLEVTDDEVLEKAAGTDVNNIFQLTVMFDYMDCELKLSVFRQLNTAIAVSQMSSGQ
 CRLAPLIQVIQDCSHLYHYTVKLMFKLHLSCLPADTLQGHRDRFHQFHSKLNFFRRASDMLYFKRLIQIP
 RLPEGPPNFLRASALAEHIKPVVVIPEEAPEEEEEPENLIEISSAPPAGEPVVVADLFDQTFGPPNGSMKD
 DRDLQIENLKREVETLRAELEKIKMEAQRYSQLKQVNGLEAELEEQRKQKQKALVDNEQLRHELAQLK
 ALQLEGARNQGLREEAERKASATEARYSKLKEKHSELINTHAELLRKNADTAKQLTVTQQSQEEVARVKE
 QLAFAQMEQAKRESEMKEEQSDQLEKLRKELAAARAGELARAQEALSRTEQSGSELSSRLDTLNAEKEALS
 GVVVRQEAELLAQSLVREKEEALSQEQQRSSQEKGELRGQLAEKESQEQGLRQKLLDEQLAVLRSAAA
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 DTIVNGAATSHLAPDPAADRLMDTCRECGARALELVGQLQDQTVLPRAQPSLMRPLQGILQLGQDLKPK
 SLDVQRQEEELGAMVDKEMAATSAIEDAVRRIEDMMSQARHESGKLEVNERILNSCTDLMKAIRLLVMT
 STSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWGATQLVESADKVVLMHMKYEELIVCSHEI
 AASTAQLVAASKVKANKNSPHLSRLQECSTVNERAAYVASTKSGQEQIEDRDTMDFSGLSLIKLLKQPE
 METQVRVLELEKTLEAERVRLGELRKQHYVLAGGMGTPSEEEPSRSPAPRSGATKKPPLAQKPSIAPRT
 DNQLDKKDGVYPAQLVNY

TRTRPLE – GFP Tag – V

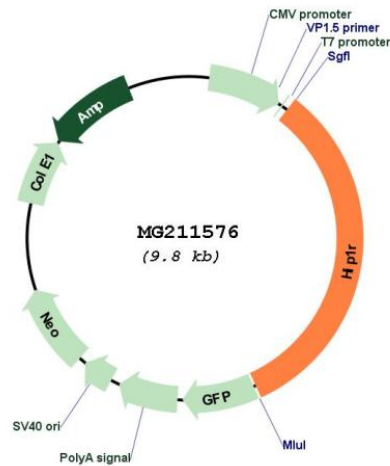
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	NM_145070.2
RefSeq Size:	4402 bp
RefSeq ORF:	3207 bp
Locus ID:	29816
UniProt ID:	Q9JKY5
Cytogenetics:	5 F
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]