

Product datasheet for **MR210126**

Hhip (NM_020259) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hhip (NM_020259) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hhip
Synonyms:	Hhip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210126 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAGATGCTCTCGTTTAAGCTGCTACTGCTGGCCGTGGCTCTGGGCTTCTTTGAAGGAGATGCGA
 AGTTTGGGGAAAGGAACGAGGGAGCGGAGCGAGAAGGAGACGGTGCCTGAATGGGAACCCCAAGCG
 CCTAAAGAGAAGGGACAGGCGGGTGATGTCCAGCTGGAGCTGCTCAGTGAGGAGAGATCCTGTGTGGT
 GGCTTCTACCCACGAGTATCTTGCTGCCTGCAGAGTGACAGCCCTGGATTGGGGCGTCTGGAGAACAAGA
 TCTTTTCTGCCACCAACAACCTCAGAATGCAGCAGGCTGCTGGAGGAGATCCAATGTGCTCCCTGCTCCCC
 GCATTCCAGAGCCTCTTCTACACACCTGAAAGAGATGTCCTGGATGGGGACCTAGCACTTCCACTCCTC
 TGCAAAGACTACTGCAAAGAATTCTTTATACTTGCCGAGGCCATATTCCAGGTCTTCTTCAAACAACCTG
 CTGATGAATTTTGCTTTTACTATGCAAGAAAAGATGCTGGGTTATGCTTTCAGACTTCCGAGAAAAGCA
 AGTCAGAGGACCAGCATCTAACTACTTGGGCCAGATGGAAGACTACGAGAAAAGTGGGGGGATCAGCAGA
 AAACACAAACACAACCTGCCTCTGTGTCCAGGAGGTCATGAGTGGGCTGCGGCAGCCTGTGAGCGCTGTG
 ACAGCGGGGATGGCTCCCATCGGCTCTTATTCTAGAGAAGGAAGGCTACGTGAAGATTCTAACCCAGAG
 AGGAGAACTGTTCAAGGAGCCTTACTTGGACATTCACAACTTGTCAAAGTGAATAAAGGGAGGAGAG
 GAAAGGGGCTGCTAAGCCTGGCATTCCATCCCAATTACAAGAAAAATGGAAGCTGTATGTGTCTTATA
 CCACCAACCAGGAACGGTGGGCTATTGGGCTCACGACCACATCTTCGGGTTGTGGAATACACAGTATC
 CAGGAAAAACCCCATCAAGTTGATGTGAGAACAGCCAGGGTGTTCGGAAGTCGAGAGCTCCACCGA
 AAGCATCTTGGGGACAGCTGCTCTTGGTCTGATGGCTTTTGTACATCATCCTTGGGGATGGTATGA
 TCACATTTGGATGACATGGAAGAGATGGATGGGTTAAGTGACTTCACAGGCTCTGTGCTGAGCTGGACGT
 GGACACCGACATGTGCAATGTGCCTTATTCCATACCTCGGAGTAACCCTCACTTCAACAGCACCAACCAG
 CCCCCAGAAGTATTTGCCACGGCTCCATGATCCAGGCAGATGTGCCGTGGATCGACATCCTACTGATA
 TAAACATCAATTTAAACAATACTTTGCTCAGATTCACCGGAAAAACAGGTCATCAGCCAGAATCCTACA
 GATAATAAAGGGAAGAGGTTATGAAAGTGAAGCCATCTCTTCTTGAATTCAAGCCATTCAGTAACGGCCCT
 TTGGTTGGTGGATTTGTTTACAGAGGCTGTCAGTCTGAAAGATTGTACGGAAGCTATGTGTTGAGGATC
 GCAATGGGAATTTCTTAACCCTCCAGCAAAGCCAGTGACCAAGCAATGGCAAGAAAAGCCGCTCTGCCT
 GGGTGCAGCAGCTCCTGTCGAGGCTACTTTTCGGGTACATCTTGGGATTTGGAGAAGATGAATTAGGA
 GAGGTTTACATTCTATCAAGCAGTAAGAGTATGACCCAGACTCACAATGGAAAACCTACAAGATCGTAG
 ACCCCAAAAGACCTTTAATGCCTGAGGAATGCAGAGTCACAGTTCAACCTGCCAGCCACTGACCTCCGA
 TTGCTCCCGGCTCTGTCGAAACGGCTACTACACCCCACTGGCAAGTGTGCTGCAGTCCCGGCTGGGAG
 GGAGACTTCTGCAGAATTGCAAGTGTGAGCCAGCGTGCCGTCATGGAGGTGTCTGTGTCAGACCGAAACA
 AGTGCCTCTGTA AAAAGGGCTATCTTGGTCTCAATGTGAACAAGTGGACAGGAACGTCCGAGAGTGAC
 CAGGGCAGGTATCCTTGATCAGATCATTGACATGACGCTTACTTGTGGATCTCACAAGTTACATTGTA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210126 protein sequence
Red=Cloning site Green=Tags(s)

MLKMLSFKLLLLAVALGFFEGDAKFGERNESGARRRRCLNGNPPKRLKRRDRRVMSQLELLSGGEILCG
 GFYPRVSCCLQSDSPGLGRLENKIFSATNNSECSRLLEEIQCAPCSPHSQSLFYTPERDVLGDGLALPLL
 CKDYCKEFFYTCRGIHIGLLQTTADEF CFYARKDAGLCFDFPRKQVRGPASNYLGQMEDYEKVGGISR
 KHKHNCLCVQEVMSGLRQPVSAVHSGDGSRLFILEKEGYVKIL TPEGELFKEPYLDIHKLVQSGIKGGD
 ERGLLSLAFHPNYKNGKLYVSYTTNQRWAIGPHDHILRVVEYTVSRKNPHQVDVRTARVFLEVAELHR
 KHLGGQLLFPGDFLYIILGDGMITLDDMEEMDGLSDF TGSVLRDLDVDTM CNVPYIPRNPHFNSTNQ
 PPEVFAHGLHDPGRCAVDRHPTDININLTILCSDSNGKNRSSARILQIIKGRGYESEPSLLEFKPFSNGP
 LVGGFVYRGCQSERLYGSYVFGDRNGNFLTQQSPVTKWQEKPLCLGASSSCRGYFSGHILGFGEDELG
 EYVILSSKSMTQTHNGKLYKIVDPKRPLMPEECRVTVQPAQPLTSDCSRLCRNGYYTPTKCCCSPGWE
 GDFCRIAKCEPACRHGGVCVRPNKCLCKKGYLGPQCEQVDRNRRVTRAGILDQIIDMTSYLLDLTSYIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_020259

ORF Size: 2103 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_020259.3](#), [NP_064655.3](#)

RefSeq Size: 9094 bp

RefSeq ORF: 2103 bp

Locus ID: 15245

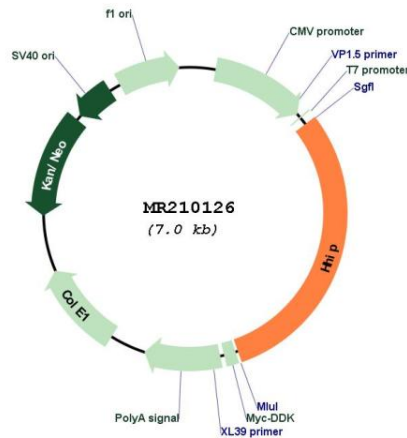
UniProt ID: [Q7TN16](#)

Cytogenetics: 8 37.95 cM

MW: 78.5 kDa

Gene Summary: Modulates hedgehog signaling in several cell types, including brain and lung through direct interaction with members of the hedgehog family. Soluble forms inhibit Shh-induced differentiation in the fibroblast cell line C3H/10T1/2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210126