

Specifications:

Gene:	mHhip
Accession:	AAD31172.1
Insert size:	2116bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

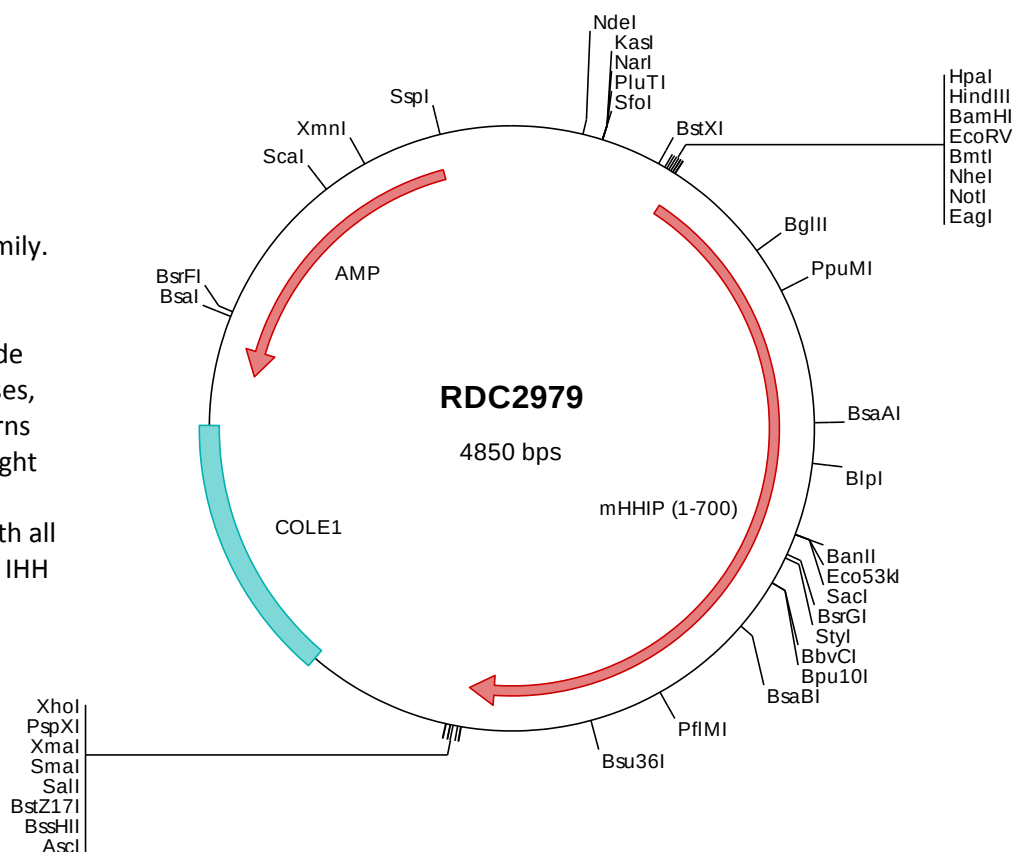
mHip cDNA Plasmid

Hhip Hedgehog-interacting protein [*Mus musculus* (house mouse)]

Also known as: Hhip1

Summary:

HHIP is a member of the hedgehoginteracting protein family. The hedgehog (HH) proteins are evolutionarily conserved and important morphogens for a wide range of developmental processes, including anteroposterior patterns of limbs and regulation of left-right asymmetry in embryonic development. HHIP interacts with all three HH family members: SHH, IHH and DHH.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2979 Plasmid DNA Sequence

```

1  tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtc  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgc  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaaat
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccggccac  atgtctgaag  tgctctcgct  taagctgcta  ctgctggccg  tggctotggg
501  cttctttgaa  ggagatgcga  agtttgggga  aaggagcgag  gggagcggag  cgagaaggag  acggtgcctg  aatgggaacc  ccccaaagcg  cctaaagaga
601  agggacaggg  ggggtgatgc  ccagctggag  ctgctcagtg  gaggagagat  cctgtgtggt  ggcttctacc  cagcagatgc  ttgtgtccta  cagagtgcga
701  gccctggatt  ggggcgtctg  gagaaacaag  tcttttctgc  caccaacaac  tcagaatgca  gcaggctgct  ggaggagatc  caatgtgctc  cctgtccccc
801  gcattccacg  agcctctctt  acacacctga  aagagatgtc  ctggatgggg  acctagcact  tccactctct  tgcaaaagac  actgcaaaag  attcttttat
901  acttgccgag  gccatattcc  aggtctctct  caaacaactg  ctgatgaatt  ttgcttttac  tatgcaagaa  aagatgtctg  gttatgcttt  ccagacttcc
1001  caggaaagca  agtcagagct  ccagcatcta  actacttggg  ccagatggaa  gactacgaga  aagtgggggg  gatcagcaga  aaacacaaac  acaactgcct
1101  ctgtgtccag  gaggtcatga  gtgggctgcg  gcagcctgtg  agcgtctgtc  acagcgggga  tggctcccat  cggtcttcoa  ttctagagaa  ggaaggttac
1201  gtgaagattc  taaccccaga  aggagaactg  ttcaaggagc  cttacttgga  cattcacaaa  cttgttcaaa  gtggaataaa  gggaggagac  gaaaggggcc
1301  tgcataagct  ggcattccat  cccaattaca  agaaaaatgt  aaagctgtat  gtgtcttata  ccaccaacca  ggaacggtgg  gctattgggc  ctacagacca
1401  cattcttcgg  gttgttgaat  acacagatgc  caggaaaaac  ccccatcaag  ttgatgtgag  aacagccagg  gtgtttcttg  aagtcgcaga  gctccaccga
1501  aagcatcttg  ggggacagct  gctctttggg  cctgatggct  ttttgtacat  catccttggg  gatggtatga  tcacattgga  tgacatggaa  gagatggatg
1601  gggttaagtga  cttcacaggg  tctgtgtctg  ggctggagct  ggacacggac  atgtgcaatg  tgctttatto  catacctcgg  agtaaccctc  acttcaacag
1701  caccacacag  ccccccagaag  tattttccca  cggtctccat  gatccaggca  gatgtgcctg  ggatcgacat  cctactgata  taaacatcaa  ttttaacaata
1801  ctttgcctag  attccaacgg  gaaaacacgg  tcatcagcca  gaactctaca  gataataaag  ggaagagatt  atgaaagtga  gccactctac  tctgaaatga
1901  agccctggat  taacccagct  tatttgggtg  gatttgggta  cagctgtctg  gactgtgaaa  aagctatcgg  gattgtacgg  atcggagatc  gcaatgggaa
2001  tttcttaacc  ctccagcaaa  gcccagtgac  caagcaatgg  caagaaaaag  cgtctctcct  ggggtgccag  agctcctgtc  gaggtcactt  ttccggtcag
2101  atcttgggat  ttggagaaga  tgaattagga  gagggtttac  ttctatcaca  cagtaagagt  atgacccaga  atgacccagg  aaaactctac  aagatcgtag
2201  accccaagaa  accttttaag  cctgaggaat  gcagagtcaac  agttcaacct  gccaccggac  tgacctccga  ttgtcccgga  ctctgtcgaa  accggtacta
2301  caccocccat  ggcaagtgtc  gctgcagtc  cggtctggag  ggagacttct  gcgaatttgc  caagtgtgag  ccagcgtgcc  gtcatggagg  tgtctgtgtc
2401  agaccgaaca  agtcgcctgt  taaaaaggcg  tatcttggtc  atctcttgac  acaagtggac  aggaacgtcc  gcagagtgc  cagggcaggt  atctctgata
2501  agatcatgta  catgacgtct  tacttctggy  atctcacaag  ttacattgta  taaggcgcg  ccagtatact  ctgagtcga  caccggggga  attcctcgag
2601  cgctcgtctc  tagcttgggc  taatcatggt  catagctgtt  tctgtgtgta  aattgttata  cgctcacaat  tccacacaa  atacagcgcc  gaagcataaa
2701  gtgtaaacgc  tggggtgcct  ctatagtgag  ctaactcaca  ttaattgcgt  tgctgcctact  gccgccttcc  cagtcactgc  actcgtcgtg  ctccggtcgt
2801  taatgaatcg  gccacggcgc  ggggagaggg  ggtttgcgta  ttgggcgctc  ttccgcttcc  tcgctcactg  actcgtcgtg  ctccggtcgt  ctccggtcgt
2901  gagcggatcg  agctcactca  aaggcggtaa  tacggttatc  cacagaatca  ggggataaac  caggaaagaa  catgtgagca  aaaggccagc  aaaaggccag
3001  gaacccgtaa  aagcccgctg  tgcctggcgt  ttccataggg  ctccgcccc  ctgacgaaga  tcacaaaaat  cgacgtccta  gtaagaggtg  gcgaaaccgc
3101  acaggactat  aaagatacca  ggcgtttccc  cctggaagct  cctcgtgctg  ctctcctgtt  ccgacccctg  cgcttacagg  atacctgtcc  gcttttctcc
3201  cttcgggaag  cgtggcgctt  tctcaatgct  cagcgtgtag  gtatctcagt  tcggtgtagg  tcggttcgct  caagctgggc  tggtgtcagc  aacccccgt
3301  tcagcccgac  cgctgcgcct  tatccggtaa  ctatcgtctt  gactccaacc  cgtactatcg  cgaacttatc  ccactggcag  cagccactgg  taacaggatt
3401  agcagagcga  ggtatgtagg  cgtgtctaca  gaggttctga  agtgtgtggc  taactacggc  tacactagaa  ggacagtatt  tggatatctg  gctctgctga
3501  agccagttac  cttcggaaaa  agagtttgta  gctcttgatc  cggcaaaaca  accacgcgtg  gtacggtgtg  tttttttgtt  tgcaagcagc  agattacggc
3601  cagaaaaaaa  ggtatctcaag  aagatccttt  gatcttttct  acggggtctg  accgtcagtg  gaacgaaaa  tcacgtttaag  ggaattttgt  catgagatta
3701  tcaaaaagga  tcttcaccta  gatcctttta  aattaaaaat  gaagttttta  atcaatctaa  agtatatatg  agtaaaactg  gtctgacagt  taccaatgct
3801  taatcagtg  ggcacattat  tcagcgatct  gtctatttct  ttcatccata  gttgcctgac  tccccgtcgt  gtagataact  acgatacggg  agggcttacc
3901  atctggcccc  agtgcctgca  tgataccgcg  agaccacgc  tcaccggctc  gttgcgggga  agctagagta  agtagttcgc  cagttaatag  tttgcgcaac
4001  ggtcctgcaa  ctttatccgc  ctccatccag  tctattaatt  gttgcgggga  agctccggtt  agctccggtt  cccaacgato  aaggcgagtt  acatgatccc
4101  ttgctacagg  catcgtgggt  tcacgctcgt  cgtttgggat  ggcttcattc  agaatgaagt  ttgcccagct  gttatcacto  atggttatgg  cagcaactgc
4201  caaaaaagcg  gtttagctct  tcggtctctc  gatcgttgto  agaagtaagt  agtactcaac  caagtcattc  tgagaatagt  gtatgcggcg  accgagttgc
4301  actgtcatgc  catccgtaag  atgcttttct  gtgactgggt  agtactcaac  aaaagtgcct  atcattggaa  aacgttcttc  ggggcgaaaa  ctctcaagga
4401  cgtcaatacg  ggataatacc  gcgccacata  gcgaacttt  tgactcttcag  catcttttac  tttcaccagc  gtttctgggt  gagcaaaaa  tcttaccgct
4501  gttgagatcc  agttcgatgt  aacccactcg  tgcacccaa  cctcttttct  actcttctct  tttcaatatt  attgaagcat  ttatcagggt  tattgtctca
4601  aatgccgcaa  aaaagggaa  aagggcgaca  cggaaatgtt  gaatactcat  aatagggtgt  ccgcgacat  ttccccgaaa  agtgccacct  gacgtctaa
4701  tgagcggata  catatttgaa  tgtatttaga  aaaataaaca  aatagggtgt  cccttctcgt  ccccgacat  ttccccgaaa  agtgccacct  gacgtctaa
4801  tatcatgaca  ttaacctata  aaaataggcg  tatcacgagg  cccttctcgt  ccccgacat  ttccccgaaa  agtgccacct  gacgtctaa

```

> RDC2979 Translated Insert Sequence

```

1  mlkmlsfkll  llavalgffe  gdakfgerse  gsgarrrrcl  ngnppkrlkr  rrrrvmsqle  llsggeilcg  gfyprvsccl  qsdspglgrl  enkifsatnn
101  secsrllleei  qcpcpsphsg  slfyterpdr  ldgdalplll  ckdyckeffy  tcrhipgll  qttadefcfy  yarkdaglcf  pdfprkqvrg  pasnylqgme
201  dyekvggisr  khkhncicvq  evmsglrqp  savhsgdgsh  rlfilekeyg  vkiltpegel  fkepyldihk  lvqsgikggd  ergllslafh  pnykknkly
301  vsyttngqrw  aigphdhilr  vveytsvrkn  phqvdvrtar  vflevaelhr  khlggqllfg  pdgflyiilg  dgmitlddme  emdglsdftg  svrlldvtd
401  mcnvpysipr  snphfnstng  ppevfahglh  dpgrcavdrh  ptdinintli  lcsdsngknr  ssarilqiik  grdyesepsl  lefkpfnsng  lvvgfvyrgc
501  qserlygsyv  fgdrngnflt  lqqspvtkq  qekplclgas  ssrgrgysgh  ilggedelg  evylsssk  mtqthngkly  kivdpkrplm  peecrvtvqp
601  aqpltsdcsr  lcrngyytpt  gkccspgwe  gdfcriakce  pacrhggvcv  rpnklclckg  ylgpqceqvd  rnrvrvtrag  ildliidmts  ylldltsyiv

```