

Specifications:

Gene:	<i>h</i> MFAP5
Accession:	NP_003471.1
Insert size:	535bp
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.

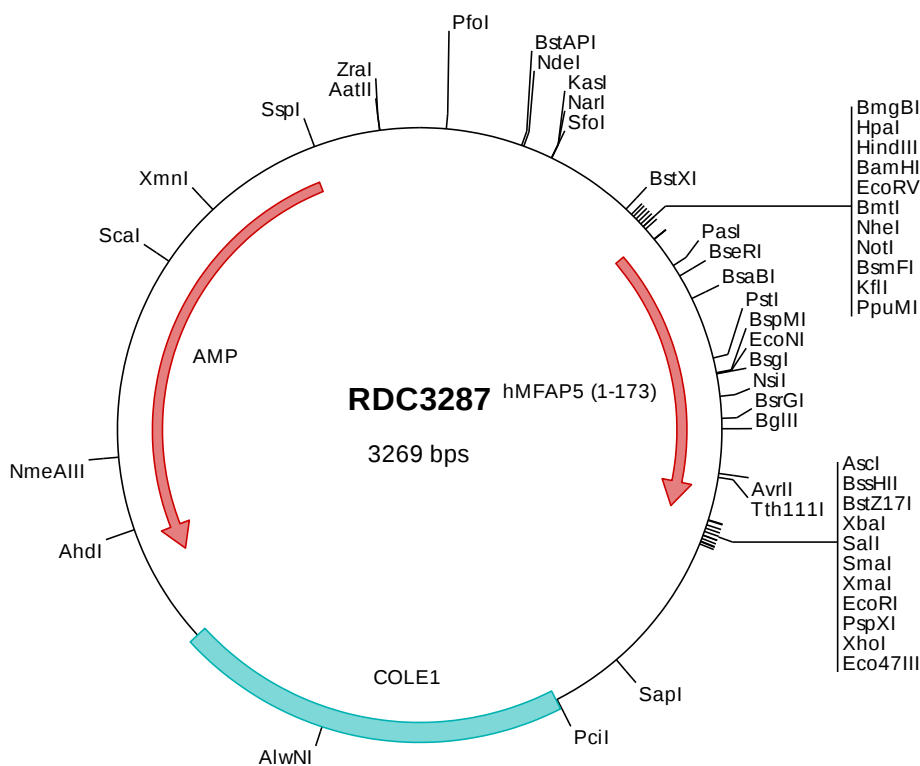
*h*MAGP-2/MFAP5 cDNA Plasmid

MFAP5 microfibril associated protein 5 [*Homo sapiens* (human)]

Also known as: AAT9; MP25; MAGP2; MAGP-2; MFAP-5

Summary:

MFAP5 is a microfibril-associated glycoprotein which is a component of microfibrils of the extracellular matrix. It promotes attachment of cells to microfibrils via alpha-V-beta-3 integrin. Deficiency of MFAP5 in mice results in neutropenia. Alternatively spliced transcripts encoding different proteins have been described.



> RDC3287 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcaccc  atgtcgtctt  tgggacccaa  ggtgctgctg  tttcttgcgt  cattcatcat
501  caccctctgac  tggatacccc  tgggggtcaa  tagtcaacga  ggagacgatg  tgaactcaagc  gactccagaa  acattccag  aagatccata  tctggtgaat
601  gatcccgcta  cagatgaaac  agttttggct  gttttggctg  atattgcacc  ttccacagat  gacttggcct  ccctcagtga  aaaaaatacc  actgcagagt
701  gctgggatga  gaaatttacc  tgcacaaggc  tctactctgt  gcacggcgcg  gttaaacaat  gcattcatca  gttatgcttc  accagtttac  gacgtatgta
801  catcgtcaac  aaggagatct  gctctcgtct  tgtctgtgaa  gaacacgaag  ctatgaaaga  tgagctttgc  cgtcagatgg  ctggtctgcc  ccttaggaga
901  ctcctgtcgt  ccaattactt  cgaacttcct  cctctgtgaa  atgtggattt  gcagagaccc  aatggtctgt  aaaggcgccg  cagtatactc  tagagtcgac
1001  acccggggaa  ttctctgagc  gctcgtctct  agcttggcgt  aatcatggtc  atagctgttt  cctgtgtgaa  attgttatcc  gctcacaaat  ccacacaaaa
1101  tacgagccgg  aagcataaag  tgtaaagcct  ggggtgccta  atgagtgagc  taactccatc  taattgcgtt  gcgctcactg  cccgctttcc  agtcgggaaa
1201  cctgtcgtgc  cagctgcatt  aatgaatcgg  ccaacgcgcg  gggagagggc  gtttgcgtat  tgggcgctct  tccgcttcc  cgctcactga  ctcgctgcgc
1301  tcggtcgttc  ggctgcggcg  agcggtatca  gctcactcaa  aggcggtaat  acggttatcc  acagaatcag  gggataacgc  aggaaaaaac  atgtgagcaa
1401  aaggccagca  aaaggccagg  aaccgtaaaa  aggcgcgctt  gctggcgttt  ttccataggc  tccgcccccc  tgacgagcat  cacaaaaatc  gacgctcaag
1501  tcagaggtgg  cgaaaaccga  caggactata  aagataccag  gcgtttcccc  ctggaagctc  cctcgtgcgc  tctcctgttc  cgaccctgcc  gcttaccgga
1601  tacctgtccg  cctttctccc  ttccggaagc  gtggcgcttt  ctcaatgctc  acgctgtagg  tatctcagtt  cggtcgctcc  cggtcgctcc  aagctgggct
1701  gtgtgcacga  acccccgttt  cagcccagac  gctgcgcctt  atccggtaac  tatcgtcttg  agtccaacco  ggtaagacac  gacttatcgc  cactggcagc
1801  agccactggt  aacaggatta  gcagagcgag  gtatgtaggc  ggtgctacag  agttcttgaa  gtggtggcct  aactacggct  acactagaag  gacagtattt
1901  ggtatctcgc  ctctgctgaa  gccagttacc  ttccgaaaaa  gagttggtag  ctcttgatcc  gcacaaacaa  ccaccgctgg  tagcgggtgt  ttttttggtt
2001  gcaagcagca  gattacgcgc  agaaaaaag  gatctcaaga  agatcctttg  atcttttcta  cggggtctga  cgctcagtg  aacgaaaact  cactgtaagg
2101  gattttggtc  atgagattat  caaaaaggat  cttcacctag  atccttttaa  attaaaaatg  aagttttaaa  tcaatctaaa  gtatatatga  gtaaaacttg
2201  tctgacagtt  accaatgctt  aatcagtgag  gcacctatct  cagcgatctg  tctatttcgt  tcatccatag  ttgcctgact  ccccgctgtg  tagataacta
2301  cgatacggga  gggcttacca  tctggcccca  gtgctgcaat  gataccgcga  gacccacgct  caccggctcc  agatttatca  gcaataaacc  agccagccgg
2401  aaggcccgag  cgcagaagtg  gtcctgcaac  tttatccgcc  tccatccagt  ctattaattg  ttgcccggaa  gctagagtaa  gtagtccgc  agttaatagt
2501  ttgcgcaacg  ttgttgccat  tgctacagcg  atcgtgtgtg  cacgctcgct  gtttggtagt  gcttcattca  gctccgggtc  ccaacgatca  aggcgagtta
2601  catgatcccc  catgttgtgc  aaaaaagcgg  ttagctcctt  cggtcctccg  atcgttgtca  gaagtaagtt  ggccgcagtg  ttatcactca  tggttatggc
2701  agcactgcat  aattctctta  ctgtcatgcc  atccgtaaga  tgcttttctg  tgactgggtg  gtactcaacc  aagtcattct  gagaatagtg  tatgcggcga
2801  ccgagttgct  cttgcccgcc  gtcaataacg  gataataccg  cgccacatag  cagaacttta  aaagtgtctc  tcattggaaa  acgttcttcc  gggcgaaaac
2901  tctcaaggat  cttaccgctg  ttgagatcca  gttcgatgta  acccactcgt  gcacccaact  gatcttcagc  atcttttact  ttaccagcg  tttctgggtg
3001  agcaaaaaaca  ggaaggcaaa  atgccgcaaa  aaagggaata  aggcgcacac  ggaatgtgtg  aataactcata  ctcttccttt  ttcaatatta  ttgaagcatt
3101  tatcagggtt  attgtctcat  gagcggatac  atatttgaat  gtatttagaa  aaataacaaa  ataggggttc  cgccacacatt  tccccgaaaa  gtgccacctg
3201  acgtctaaga  aaccattatt  atcatgacat  taacctataa  aaataggcgt  atcacaggcg  cctttcgtc

```

> RDC3287 Translated Insert Sequence

```

1   mslilgpkvll flaaifiitsd wiplgvnsqr gddvtgatpe tftedpnlvn dpatdetvla vladiapstd dlaslseknt taecwdekft ctrlsvhrp
101  vkqcihqqlcf tslrmyiyn keicsrlvck eheamkdelc rmgaglprr lrrsnyfrlp penvdlrqp ngl

```