

Specifications:

Gene:	mMydgf
Accession:	NP_543027
Insert size:	514bp
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.

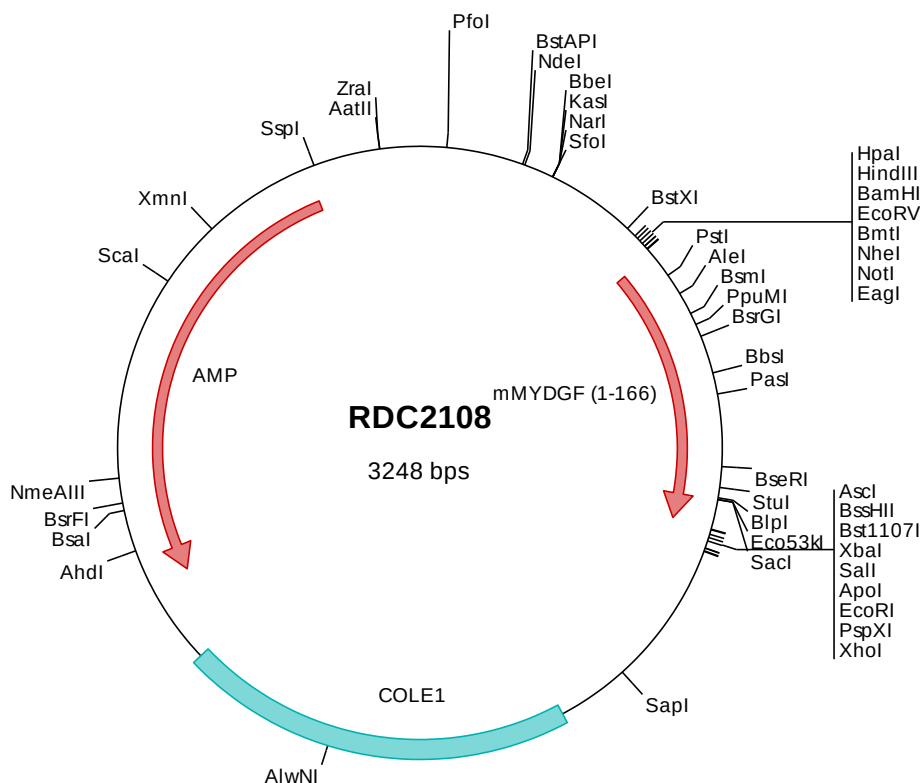
mSF20 cDNA Plasmid

Mydgf myeloid derived growth factor [*Mus musculus* (house mouse)]

Also known as: Il25; Ly6elg; D17Wsu104e

Summary:

SF20 is a bone marrow-derived monocyte and paracrine-acting protein that promotes cardiac myocyte survival and adaptive angiogenesis for cardiac protection and/or repair after myocardial infarction (MI).



> RDC2108 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  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  ggcgaaagg  ggatgtgtg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcccacc  atggcagccc  ccagcggagg  cttctggact  gcggtggtcc  tggctgtctg
501  agcgtgtaaa  ttggccgcgc  ctgtgtccga  gcccaaccac  gtgccatttg  acgtgaggcc  cggaggggto  gtgcattcgt  tctcccagga  cgttaggacc
601  gggaacaagt  ttacatgtac  attcacctac  gcttcccaag  gaggggacca  cgagcaatgg  cagatgagcc  tggggacaag  tgaagacagc  cagcacttta
701  cctgtaccat  ctggaggccc  caggggaaat  cctacctcta  cttcacacag  ttcaaggctg  agttgcgagg  tgctgagatc  gagtatgcca  tggcctactc
801  caaagccgca  tttgagagag  agagtgtgt  cccctgaaa  agtgaggagt  ttgaagtgt  caagacagca  gtgtctcaca  ggccctgggc  cttcaaaagt
901  gagctctcca  agctggtgat  cgtagccaag  gcggcacgct  cggagctgta  aaggcgcgcc  agtatactct  agagtgcaga  cccgggggat  tcctcgagcg
1001  ctgctctcta  gcttggcgta  atcatggtca  tagctgttcc  ctgtgtgaaa  ttgttatccg  ctcacaatto  cacacaacat  acgagccgga  agcataaagt
1101  gtaaaagcctg  ggggtgcctaa  tgagtgtgct  aactcacatt  aattgcgttg  cgtcactgc  ccgctttcca  gtcgggaaac  ctgtcgtgcc  agctgcatta
1201  atgaatcggc  caacgcgcgg  ggagaggcgg  tttgcgtatt  gggcgctctt  ccgcttcctc  gctcactgac  tcgctgcgct  cggtcgttcg  gctgcggcga
1301  gcggtatcag  ctcactcaaa  ggcggtaata  cggttatcca  cagaatcagg  ggataacgca  ggtgagcaaa  aggccagcaa  aaggccagga  aagggccagg
1401  accgtaaaaa  ggccgcgctg  ctggcgcttt  tcctataggc  cgcggcgctc  gagcagcatc  acaaaaatcg  acgctcaagt  cagaggtggc  gaaacccgac
1501  aggactataa  agataccagg  cgtttccccc  ttggaagctc  ctctgtcgct  ctctgttccc  gacctgccc  cttaccggat  acctgtccgc  ctttctccct
1601  tcgggaagcg  tggcgctttc  tcaatgctca  cgtgttaggt  atctcagttc  ggtgtaggtc  gttcgctcca  agctgggctg  tgtgcacgaa  cccccgttc
1701  agcccgaccg  ctgcgcctta  tccggttaact  atcgtcttga  gtccaaccgg  gtaagacacg  acttatogcc  actggcagca  gccactggta  acaggattag
1801  cagagcggag  tatgtaggcg  gtgctacaga  gttcttgaag  tgggtggccta  actacggcta  cactagaagg  acagtatttg  gtatctgcgc  tctgtgaag
1901  ccagttacct  tcggaaaaag  agttggtagc  tcttgatccg  gcaaacaaac  caccgctggt  agcggtggtt  ttttggttg  caagcagcag  attacgcga
2001  gaaaaaaagg  atctcaagaa  gatcctttga  tcttttctac  ggggtctgac  gctcagtgga  acgaaaactc  acgttaagg  attttggtca  tgagattatc
2101  aaaaaggatc  ttcacctaga  tcccttttaa  ttaaaaatga  agttttaagt  caatctaaag  tatatatgag  taaacttggt  ctgacagtta  ccaatgctta
2201  atcagtgagg  cacctatctc  agecatctgt  ctatttcgtt  catccatag  tgctgactc  cccgtcgtgt  agataactac  gatacgggag  ggcttaccat
2301  ctggcccccag  tgctgcaatg  ataccgcgag  acccacgctc  accggtccca  gatttatcag  caataaacca  gccagccgga  agggccgagc  gcagaagtgg
2401  tctgcaact  ttatccgct  ccatccagtc  tattaattgt  tgcggggaag  cttagtaag  tagttcgcca  gttaatagtt  tgcgcaact  gtttgccatt
2501  gctacaggca  tcgtggtgtc  acgctcgtcg  tttggtatgg  cttcattcag  ctccggttcc  caacgatcaa  ggcgagttac  atgatcccc  atgttgtgca
2601  aaaaagcggt  tagctccttc  ggtcctccga  tcgtgtcgag  aagtaagttg  gccgcagttg  tatcactcat  gggtatggca  gcaactgcata  attctcttac
2701  tgtcatgcca  tcgtaagat  gcttttctgt  gactggtgag  tactcaacca  agtcattctg  agaatagtgt  atgcggcgag  cgagttgctc  ttgcccgcg
2801  tcaatacggg  ataataccgc  gccacatagc  agaactttaa  aagtgtctat  cattgaaaa  cgttcttcgg  ggcaaaaact  ctcaaggatc  ttaccgctgt
2901  tgagatccag  ttcatgttaa  cccactcgtg  caccacaact  atcttcagca  tcttttactt  tcaccagcgt  ttctgggtga  gcaaaaacag  gaaggcaaaa
3001  tgccgcaaaa  aagggaataa  gggcgacacg  gaaatgttga  atactcatat  tcttcttttt  tcaatattat  tgaagcattt  atcagggtta  ttgtctcatg
3101  agcggataca  tatttgaatg  tatttagaaa  aataaacaaa  taggggttcc  gcgcacattt  ccccgaaaag  tgccacctga  cgtctaagaa  accattatta
3201  tcatgacatt  aacctataaa  aataggcgta  tcacaggccc  ctttcgtc

```

> RDC2108 Translated Insert Sequence

```

1   mapspgfw  avvlaaaalk  laaavseptt  vpfdrvpgv  vhsfsqdv  gnkftctf  asqggtn  qmslgtse  qhftctiwr  qgkslylft
101  fkaelrgae  eyamayskaa  feresdvp  seefvktk  vshrpgaf  elsklviv  aarsel

```