

Specifications:

Gene:	mBRS3
Accession:	NP_033896
Insert size:	1213bp
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.

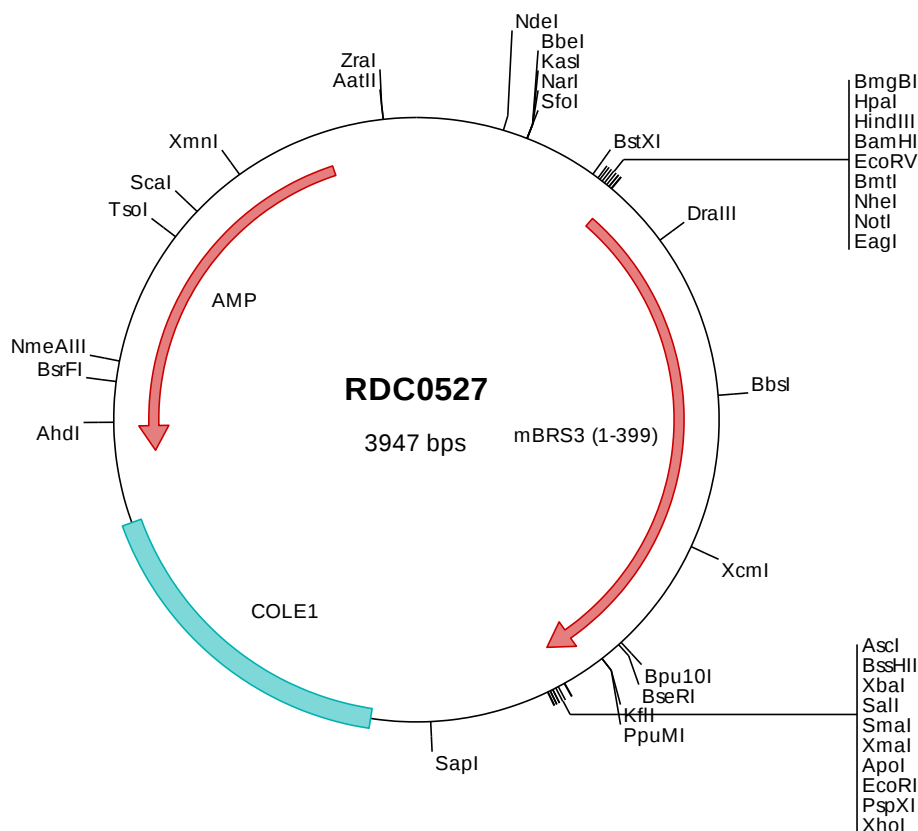
mBRS3 cDNA Plasmid

Brs3 bombesin-like receptor 3
[*Mus musculus*]

Also known as: BRS-3

Summary:

BRS3 regulates energy homeostasis. BRS3 agonism is being explored as a possible therapy for obesity. It plays a role in islet physiology, with agonism directly promoting the regulation of glucose-stimulated insulin secretion. Thus, in addition to its potential role in the treatment of obesity, BRS3 may also regulate blood glucose levels and have a role in the treatment of diabetes mellitus.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0527 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggcgcg cagcgcggtg ttggcggttg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tgcgtagcgc ggccgcaccc atgtctcaaa ggcagttcca gtcacctaat cagactttaa ttccattac
501  aaatgacaca gaaacatcaa gctctgtcgt ctccaaacgat actacacata aaggatggac cggagacaac tctccaggaa tagaagcact gttgccaac
601  tatatcaact atgtctggat catttcagt ggcactctcg gaaatgctat cctcatcaaa gtctttttca agactaaatc catgcaaaaca gttccaaata
701  ttttcaatcac cagcctggct ttccggagacc tgttacttct gctgacttgt gtgctgtggt atgcaaccca ctactggca gaaggatggc tgtttgaaa
801  ggtcgggtgt aaagtgtctt ccttcaatcc gctcacttct gtctgtgtgt cagtgttoac gctaaacaatt ctacgctgt acagatacaa agcagtgtg
901  aagccacttg agcgacagcc ccccaatgcc attctgaaga cctgtgcaaa agctgtgtgc atctggatcg tgtctatgat atttgtctg ccagaggcta
1001  tattctcaaa tgtatacact ttccaagata ctaacagaaa tgtgacattt gaatcatgta actcctaccc tatctctgag aggtttttgc aagaaataca
1101  ttctctgttg tgtttcttgg tattctacat tatcccgctc togattatct ctgtctatta ttctttgatt gccaggactc ttacaaaag caccctgaac
1201  ataccgactg aggaacaaag ccatgcccga aagcagattg aatcccgaaa gagaattgcc aaaacagttt tgggtcgtgtt ggcctgttcc gcaactctgt
1301  ggttgcgcaa tcactctctg tatctctacc actccttcc ttaagaagc tatgcaaaac actctgatgt cctttttgtt atcatcattt tctctcgggt
1401  gctggcttcc agtaattcct gcgtaaaccc ctttgcctcc tattggctga gcaagacctt ccagcagcat tttaaagctc agctctgtg cctcaaggca
1501  gagcagcctg agcctctctt tggtagacatc ccccttaaca acctcaactgt gatggggcgg gtcccagcta ctgggagtgcc acatgtctct gaaattagtg
1601  tgaccctgtt cagtggcagt agtgccaaga agggagagga caaagtaata aggcgcgcca gtatactcta gactcgacac ccggggaatt cctcgagcgc
1701  tctgtcttag cttggcgtaa tcattggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagt
1801  taaagccttg ggtgcctaata gattgagcta actcacatta attcggttgc gctcactgcc cgttttccag tcgggaaacc tgtcgtgcca gctgcattaa
1901  tgaatcgccc aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgttctctcg ctactgact cgctgcgctc ggtcgttcgg ctgcggcgag
2001  cggtatcagc tcaactaaaag gcgtaataac ggttatccac agaatacagg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa
2101  ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc cgccccctcg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaaccgcaga
2201  ggactataaa gataccaggg gtttccccct ggaagctccc tctgtgcctc tctgttcccg accctgcgcg ttaccggata cctgtccgcc tttctccctt
2301  cgggaagcgt ggcgctttct caatgctcac tctcagttcg gctgtaggtc gtgtaggtcg ttgcgtccaa gctgggctgt gtgcacgaac cccccgttca
2401  gcccgaccgc tgcgccttat ccggtaaacta tctgtcttag tccaacccgg taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc
2501  agagcgaggt atgtaggcgg tgtacagag tcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct ctgtgaagc
2601  cagttacctt cggaaaaaga gttggtagct cttgatccgg caaacaaccc accgctggta gcggtggttt tttgtttgc aagcagcaga ttacgcgcag
2701  aaaaaaagga tctcaagaag atcctttgat cttttctacg ggtgtcgacg ctacgtggaa cgaaaactca cgttaaggga ttttggtoat gagattatca
2801  aaaaggatct tcacctagat ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa
2901  tcagtgaagg acctatctca gcgatctgtc tatttctgtc atccatagtt gctgactcc ccgtcgtgta gataactacg ataccggagg gcttaccatc
3001  tggccccagt gctgcaatga taccgcgaga cccacgctca ccggtccagc atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtgg
3101  cctgcaactt tatccgcctc catccagctc attaatgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacggt gttgccattg
3201  ctacaggcat cgtggtgtca cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccc tgttgtgcaa
3301  aaaagcggtt agctccttcc gtcctccgat cgttgcgaga agtaagtgg ccgcagtggt atcactcatg gttatggcag cactgcataa tttcttact
3401  gtcattgcat ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcattctga gaatagtgtg tgccggcgacc gagtgtctct tgcccggcgt
3501  caatacggga taataccgcg ccacatagca gaactttaaa agtgctcacc attggaaaaa gttcttcggg gcgaaaaactc tcaaggatct taaccgtgtt
3601  gagatccagt tcgatgtaac ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaa
3701  gccgcaaaaa aggaataaag ggcgacacgg aaatgttgaa tactcatact ctctcttttt caatatattt gaagcattta tctcgtatga
3801  gcgatacat atttgaatgt atttagaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat
3901  catgacatta acctataaaa ataggcgtat cagcaggccc tttcgtc

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> RDC0527 Translated Insert Sequence

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1   msqrqsqspn qtlisitndt etsssvvsnd tthkgwtgdn spgiealcai yityagiisv gilgnailik vffktsmqmt vpnifitsla fgdllllltc
101  vpvdatthyla egwlfqkvkc kvlsfirlts vgvsvftlti lsadrykavv kplerqppna ilktcakagg iwivsmifal peaifsnvyt fqdpnrnvtf
201  escnsypise rllqeihsll cflvfyiip lsiisvysli artlykstln ipteeqshar kqiesrkria ktlvvlvalf alcwlpnhll ylyhsfytys
301  yanhsdvpfv iifsrvlaf snscvnpfal ywlsktffqh fkaqlcccka eqpeplgdi plnnltvmgr vpatgsahvs eisvtlfsqs sakkgedkv

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