

Specifications:

Gene:	cynoRSPO3
Accession:	XP_005551811.1
Insert size:	835bp
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

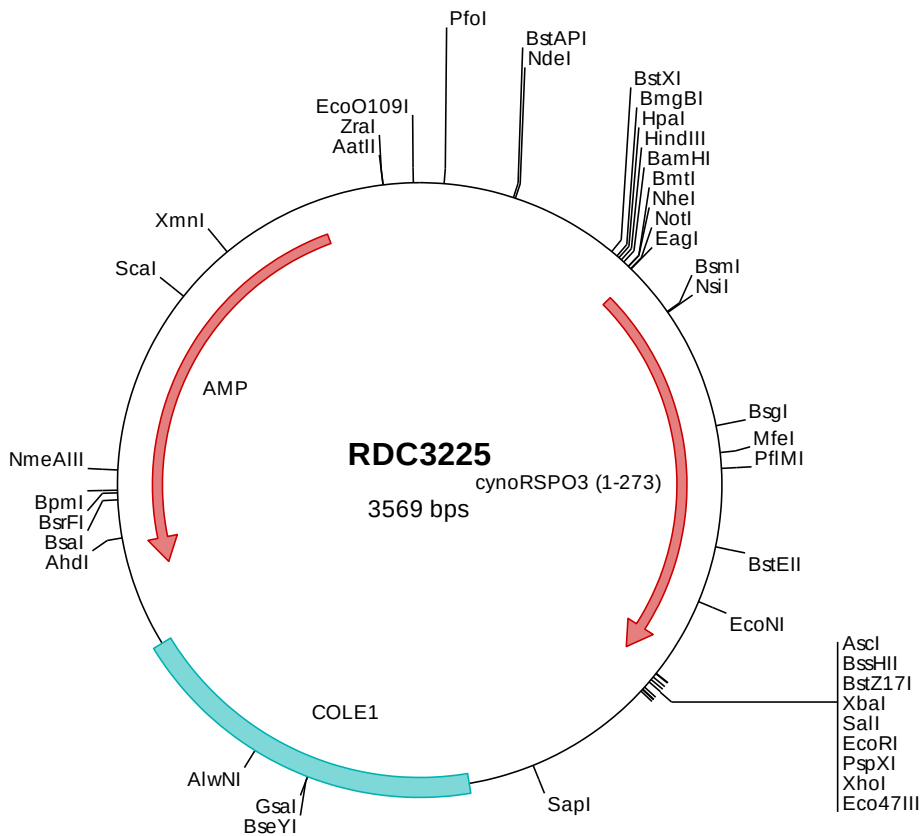
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

cynoR-Spondin 3 cDNA Plasmid

RSPO3 R-spondin 3 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

RSPO3 belongs to the R-spondin family. It plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of RSPO3 with bone mineral density and risk of fracture. RSPO3 may be involved in tumor development.



> RDC3225 Plasmid DNA Sequence

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1  tcgcgcgcttt cggatgatgac ggtgaaaaac tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcccacc atgcaacttg gactgatttc ttggtttttt atcattttga actttatgga
501  atacatcggc agccaaaacg cctcccgggg aaggcgccag cgaagaatgc atcctaactg cagtcaaggc tgccaaggag gctgtgcaac atgttcagat
601  tacaatggat gtttgtcatg taagcccgaga ctattttttg ttctggaag aattggcatg aagcagattg gagtgtgtct ctcttcatgt ccaagtggat
701  attatggaa tcgatatcca gatataaata agtgtaaaaa atgcaaaagt gactgtgata cctgtttcaa caaaaatttc tgcaaaaaat gtaaaagtgg
801  attttactta caccttgga agtgccctga caattgcccc gaagggttgg aagccaaaca ccatactatg gagtgtgtca atattgtgca ctgtgaggtc
901  agtgaatgga atccttgagg tccatgcacg aagaagggaa aaacatgtgg cttaaaaaga gggactgaaa cagggtccg agaataatg cagcatcctt
1001  cagcaacggg taacctgtgt ccccccacaa atgagacaag aaagtgtaca gtgcaaaagg agaagtgtca gaaggagaaa cgaggaaaaa aaggaaggga
1101  gaggaagaaga aaaaaaccta ataaaggaga aagtaagaaa gcaatacctg acagcaagg tctggaatcc agcaagaaa ccccgagaca acgagaaaaa
1201  aaacagcagc agaagaagcg aaaagtccaa gataaaaac agaaatcggt atcagtcagc actgtacact aaaggcgcg cagtatactc tagagtcgac
1301  acccggggaa ttctctgagc gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaaat ccacacaaca
1401  tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactccatc taattgcgtt gcgctcactg cccgctttcc agtcgggaaa
1501  cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttccg cgctcactga ctgcgtgcgc
1601  tcggtcgctt ggctgcggcg agcggatcca agcggtatca gctcactcaa agcggtatcc acagaaatcag gggataacgc aggaagaaac atgtgagcaa
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1801  tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc cctcgtgcgc ctctctgttc cgaccctgcc gcttaaccga
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2001  gtgtgcacga acccccgtt cagcccagac gctgcgcctt atccggtaac tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc
2101  agccactggt aacaggatta gcagagcgag gtatgtaggc ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt
2201  ggatatctgc ctctgctgaa gccagttacc ttccgaaaaa gagttggtag ctcttgatcc ggcaaacaaa ccacgcgtgg tagcgggtgt tttttgttt
2301  gcaagcagca gattacgcgc agaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgctcagtg aacgaaaaact cagcttaagg
2401  gattttgttc atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagttttaaa tcaatctaaa ctatatatga gtaaaacttg
2501  tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg tctatttctg tcatccatag ttgcctgact ccccgctgtg tagataacta
2601  cgatacggga gggcttacca tctggcccca gtgctgcaat gataccgcga gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg
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3001  agcactgcat aattctctta ctgtcatgcc atccgtaaga tgctttctg tgactgggtg gtactcaacc gtagctattc gagaatagtg tatgcggcga
3101  ccgagttgct cttgcccgcc gtaaataccg gataataacc gcgccacatg cagaacttta aaagtgtcga tcattggaaa acgtttcttc gggcgaaaac
3201  tctcaaggat cttaccgctg ttgagatcca gtctgatgta acccactcgt gcaccaact gatcttcagc atcttttact ttccaccagc tttctgggtg
3301  agcaaaaaaca ggaaggcaaa atgccgcaaa aaagggaata agggcgacac ggaatatgtt aataactata ctcttcttt ttcaatatta ttgaagcatt
3401  tatcagggtt attgtctcat gagcggatag atatttgaat gtatttagaa aaataaaca atagggttc cgccacatt tccccgaaa gtgccacctg
3501  acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacaggcg cctttcgtc

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> RDC3225 Translated Insert Sequence

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1  mhlrliswff iilnfmeiyg sqnasrgrrr rrmhpnvsqg cgggcatcsd yngclsckpr lffvlerigm kqigvclssc psyygtryp dinkctkcka
101  dcdtcfknkf ctkcksgfyl hlgkcldnpc egleanhntm ecvnivhcev sewnpwspct kkgktcgfkr gtetrvreim qhpsakgnlc pptnetrkct
201  vqrkkcqkge rgkkgrerkr kkpknkeske aipdskgles sketpeqren kqqqkkrkvq dkqqksvsvs tvh

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