

Specifications:

Gene:	<i>hPIK3CB</i>
Accession:	NP_006210.1
Insert size:	3226bp
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.

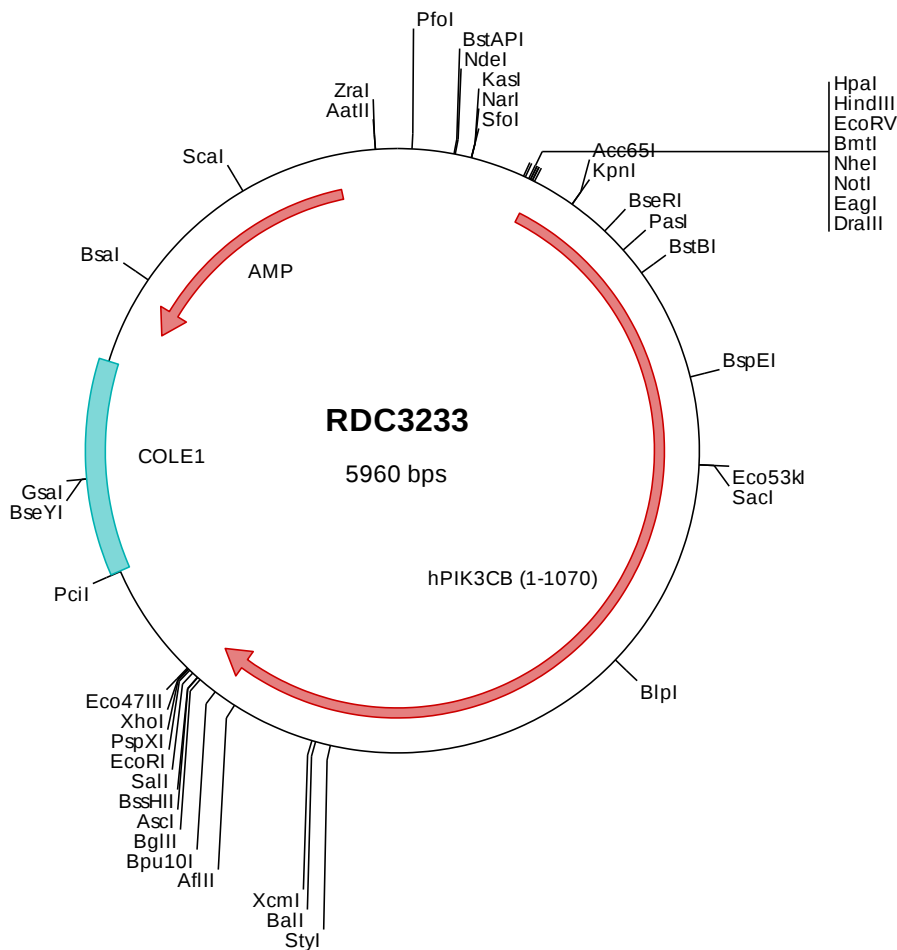
hPIK3CB cDNA Plasmid

PIK3CB phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta [*Homo sapiens* (human)]

Also known as: PI3K; PIK3C1; P110BETA; PI3KBETA

Summary:

Phosphatidylinositol 3-kinase (PI3K) is composed of a regulatory subunit and a catalytic subunit. These kinases are important in signaling pathways involving receptors on the outer membrane of eukaryotic cells. PIK3CB is the catalytic subunit for PI3Kbeta (PI3KB). PI3KB has been shown to be part of the activation pathway in neutrophils which have bound immune complexes at sites of injury or infection. Alternatively spliced transcripts encoding different proteins have been described.



> RDC3233 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccggcacc atgtgttcca gtttcataat gcctcctgct atggcagaca tccttgacat
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701  atcagactgc tgtatatgag gagcttgaag atgaaacacg aagactctgt gatgtcagac cttttcttcc agttctcaaa ttagtgacaa gaagtgtgtg
801  ccagggggaa aaatttagact caaaaattgg agtccttata ggaaaaggct tgcatagaatt tgattccttg aaggaatcctg aagtaaatga atttcgaaga
901  aaaatgcgca aattcagcga ggaaaaaatc ctgtcacttg tgggattgtc ttggatggac tggctaaaac aaacatatcc accagagcat gaacctacca
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1401  aaagaaaaca cgaattattt ctcattgttg ggaataaac aaccttttcc aaattgtott gtttaaggga aataaactta acacagagga aactgtaaaa
1501  gctcatgtea ggcctgtgtc ttttcatggt actgagctcc tgtgtaaaac catcgtaagc tatgttgaagc tttatgcagt ttttgataaa gtaaaatcga tgggttttga
1601  cactggaatt ttgttatgaat attttgtact taocaaagat ggctcgacta agtttgcgtg tttatgcagt ttttgataaa gtaaaatcga tgggttttga
1701  gaaaactatt aatccctcta aatatcagac catcaggaaa gctggaaaag tgcattatcc tgcattatcc gaaatgttga atccaatggg attatgttaa
1801  caattgagaa ctggagacat aaattatcac agctggctct gaataaaaaa caaccttatt ttcttctgtt attgaaagaa atcttggaac gggatccctt
1901  atactgaaaa tgcacagact ttgcatgtta aatttccaga aagtcgaggt ggaaaaaagt ttcttctgtt attgaaagaa atcttggaac gggatccctt
2001  gattgcaacg agtgatagtg ctaattgtgt aagtcgaggt ggaacaaagt ttcttctgtt attgaaagaa atcttggaac gggatccctt
2101  tgtgaaaaat aaattggatc ttttggactt ttgcgacaa agtcgcgaga gattttccca caatcactgc caaaataact ctaagcttctg
2201  acttgagaga ttttgcctag cttcagggcg tgcctcagat ttggtcctaaa agtttcttca atcttcttca atcttcttca atcttcttca
2301  tactgttcca gaatatcgtc taggtgcctt gcgacagaa gctggaaaag tgcattatcc tgcattatcc gaaatgttga atccaatggg attatgttaa
2401  tttcttgatt gtgcctctga tagtttcta ttagaagaag cacttggtaa tgcaggagga ggaagtggtg ggcacatgaa agtgctttct
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2601  taactgaaaa ccttttaata ctgttaataa actgaatgcc gtgaagttaa acagagccaa aggggaaggag gccatgcata cctgttttaa
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2901  ccaaatgttg cgtctgtatg atttactctg gaagaagctt gggttggatc ttcgagtggt ttcgagtggt gctttagcgc ctaggagatgc
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4201  gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggagctg cctcgtgctg gtagctgtag gtagctgtag
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5801  tattgtctca tgagcgata catattttaa gtattttaga tgtattttag aataggggtt aataggggtt aataggggtt
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> RDC3233 Translated Insert Sequence

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201  vhfencqdvf sfqvspnmnp ikvnelaiqk rltihgkede vspdyvylqv sgrveyvfgd hpliqfyir ncvmnralfp filvecckik kmyeqemiai
301  eaainrnsn lplplppkkt riishwenn npfqivlvkg nklnteetvk vhrvaglfhg tellcktihs sevsgkndhi wneplefdin icdlpmaril
401  cfavyavidk vktkkstkti npskygtirk agkvhyvpav vntmvfdkq qlrtgdliih swssfpdele tnpntenata lvhkfpenkk
501  qpyyyppfdk iiekaaeias sdsanvssrg gkklfpvlke illdrplsql cenemdiwt lrqdcreifp qslplkllsi kwnkledvq lqallgiwpk
601  lpprealell lfnypdqyvr eyavglcrlqm sdeelsqyll qlqvlykyep fldcalrsrl leralgnrri gqflfwlhrs evhipavsvq fgvilaycr
701  gsvghmkvls kqvealnklk tlnslklkna vklmrakgke vntmvdldq yrealsdlqs plnpcvilse lyvekckymd skmkplwlv yvileaycr
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901  ftlscagycv asyvlgigr hsdnimvkkk gqflfhidrfh ilgnfkskfg ikrervpfil tydfihviqg gktgnetekf rfrqcceday
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