*h*CD42C/GPIbβ VersaClone cDNA

Catalog Number: RDC1820

Specifications:

Gene:	*h*GP1BB
Accession:	NP_000398
Insert size:	634bp
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

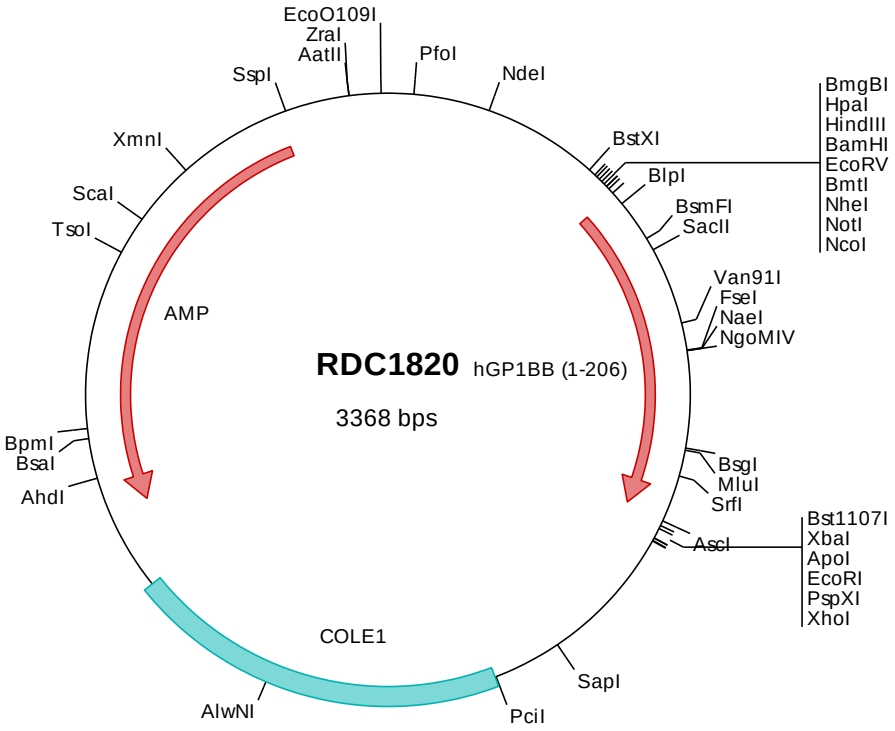
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CD42C/GPIbβ cDNA Plasmid

GP1BB glycoprotein Ib platelet beta subunit [Homo sapiens (human)]

Also known as: BS; CD42C; GPIBB; BDPLT1; GPIbbeta

Summary:
GP1BB is the beta subunit of heterodimeric transmembrane receptor platelet glycoprotein Ib (GPIb). It contributes to surface expression of the receptor and participates in transmembrane signaling through phosphorylation of its intracellular domain. Mutations in GP1BB have been associated with Bernard-Soulier syndrome, velocardiofacial syndrome and giant platelet disorder.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1820 Plasmid DNA Sequence

```
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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgggctccg ggccgcgcgg ggcgctgagc ttactgctcc tgctgctggc
 501  cccgccgagc cgcccggccg caggttgccc ggcgccctgt agctgcgcgg ggacgctcgt ggactgcggg cgccgcgggc tgacttgggc ctcgctgccg
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 701  cacacctggg cgccaacccc tggcgctgcg actgccgcct tgtgccgctg cgcgcctggc tggccggccg ccccgagcgt gcgccctacc gcgacctgcg
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 901  ctggcggcgc agcttgcgct gctgggcctt gggctgctgc acgcgttgct gctggtgctg ctgctgtgcc gcctgcggag gctgcgggcc cgggcccgcg
1001  ctcgcgccgc agcccggctg tcgctgaccg acccgctggt ggccgagcga gccggaaccg acgagtccta aaggcgcgcc agtatactct agagtcgaca
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1201  acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac
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1701  acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcaatgctca cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg
1801  tgtgcacgaa ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg gtaagacacg acttatcgcc actggcagca
1901  gccactggta acaggattag cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta actacggcta cactagaagg acagtatttg
2001  gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg
2101  caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagtgga acgaaaactc acgttaaggg
2201  attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga agttttaaat caatctaaag tatatatgag taaacttggt
2301  ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttcgtt catccatagt tgcctgactc cccgtcgtgt agataactac
2401  gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca gatttatcag caataaacca gccagccgga
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2801  gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca agtcattctg agaatagtgt atgcggcgac
2901  cgagttgctc ttgcccggcg tcaatacggg ataataccgc gccacatagc agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact
3001  ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca tcttttactt tcaccagcgt ttctgggtga
3101  gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa gggcgacacg gaaatgttga atactcatac tcttcctttt tcaatattat tgaagcattt
3201  atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga
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> RDC1820 Translated Insert Sequence

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101  rawlagrper apyrdlrcva ppalrgrllp ylaedelraa capgplcwga laaqlallgl gllhalllvl llcrlrrlra rararaaarl sltdplvaer
201  agtdes
```