

Product datasheet for **RR215016**

Gp1bb (NM_053930) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gp1bb (NM_053930) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gp1bb
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR215016 representing NM_053930
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTCCCGGCCGCGGGGGCGCTGAGCCTGCTGCTTCTGCTGCTAGCGCCGCCAGCCGCCAGCCT
 CTGGCTGTCCCGGCCATGCCGTGCTCTGAGACGCGCGTGGACTGCGGGCGCCGCGGGCTGACCTGGGC
 CTCGCTGCCGGCTGCCTCCCTCCCGACACTACAGAATTGGTGTGACCGACAACAACCTGACGGCGCTG
 CCGCCCGGGCTTCTGGATACGCTGCCGGCGCTGCGCAGAGTGCACCTGGCGCTAACCCATGGCGCTGCG
 ACTGTCGCTTATTGCCGCTGCGCGCTGGCTGGCCGCCGCCCTGAGCGCGAGTTCTACCGCGACCTGCG
 CTGTGTGCGCCCTCTGGCGCTGCGTGGCCGCTTGTCTGCCCTACGTGGCGGAGGATGAGCTGCGGGCCGCA
 TGCGCGCCCGGCCTACTTTGCTGGGGAGCTCTGGTGGCGCAGCTAGCGCTGCTGGTCTCGGGCTGCTAC
 ACGCGCTGCTGCTGGCACTCCTACTGAGTCGCCTGCGGAGGCTACGCGCGCAGGCGCGCTCGCTCCAC
 CCGCGAGTTCTCACTCACAGCCCGCTGGTGGCCGAGTCGGCCGAGGTGGTGCATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215016 representing NM_053930
 Red=Cloning site Green=Tags(s)

MGSRPRGALSLLLLLLAPPSRPASGCPAPCRCSSETRVDCGRRGLTWASLPAAFPPDTELVLTDNNLTAL
 PPGLLDLTPALRRVHLGANPWRCRLLPLRAWLAGRPEREFYRDLRCVAPLALRGRLLPYVAEDELRAA
 CAPGLLCWALVAQLALLVLLHALLLALLSRLRRLRAQARARSTREFSLTAPLVAESAGGGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_053930

ORF Size: 618 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053930.4](#), [NP_446382.1](#)

RefSeq Size: 947 bp

RefSeq ORF: 621 bp

Locus ID: 116727

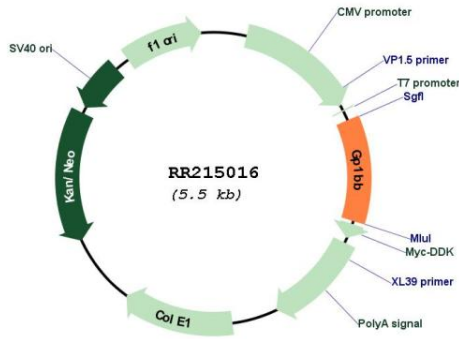
UniProt ID: [Q9JIM7](#)

Cytogenetics: 11q23

MW: 22.2 kDa

Gene Summary: forms GP1b, a receptor for von Willebrand factor, when linked by a disulfide bond to platelet glycoprotein GP1alpha; may be involved in platelet aggregation [RGD, Feb 2006]

Product images:



Circular map for RR215016