

Product datasheet for **SC204067**

CD42c (GP1BB) (NM_000407) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CD42c (GP1BB) (NM_000407) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GP1BB
Synonyms: BDPLT1; BS; CD42C; GPIBB; GPIbbeta
ACCN: NM_000407
Insert Size: 337 bp
Insert Sequence: >SC204067 3'UTR clone of NM_000407
The sequence shown below is from the reference sequence of NM_000407. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
GCCGAGCGAGCCGGAACCGACGAGTCCTGAGGAGAGAACCGGTGCGTCTGAGGAGAGAACCGGCGCTG  
GGCAACACGGGCTGCAAACCTCGACAGGACCTGCCCGAGGGCCCTCGCGCCAACCTGGACCGGTCCC  
CGCTCCTCCGCTGCCAATCTCTCAGACCCACCCACCTGCAGGCCAGACCAGTGGGACAGAATC  
CTGCCACCCCTACCCCGAGGAGGCGAACC CGCACTTCCAGGCTTGGGAGACCATGGGGACAATGCG  
GTCCAGACCCTGCTGCGTCTCCCTTCAAACCTCTGGTGTGAATAAACCTTCTGATCTGG  
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000407.5](#)



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Summary:

Platelet glycoprotein Ib (GPIb) is a heterodimeric transmembrane protein consisting of a disulfide-linked 140 kD alpha chain and 22 kD beta chain. It is part of the GPIb-V-IX system that constitutes the receptor for von Willebrand factor (VWF), and mediates platelet adhesion in the arterial circulation. GPIb alpha chain provides the VWF binding site, and GPIb beta contributes to surface expression of the receptor and participates in transmembrane signaling through phosphorylation of its intracellular domain. Mutations in the GPIb beta subunit have been associated with Bernard-Soulier syndrome, velocardiofacial syndrome and giant platelet disorder. The 206 amino acid precursor of GPIb beta is synthesized from a 1.0 kb mRNA expressed in platelets and megakaryocytes. A 411 amino acid protein arising from a longer, unspliced transcript in endothelial cells has been described; however, the authenticity of this product has been questioned. Yet another less abundant GPIb beta mRNA species of 3.5 kb, expressed in nonhematopoietic tissues such as endothelium, brain and heart, was shown to result from inefficient usage of a non-consensus polyA signal in the neighboring upstream gene (SEPT5, septin 5). In the absence of polyadenylation from its own imperfect site, the SEPT5 gene produces read-through transcripts that use the consensus polyA signal of this gene. [provided by RefSeq, Dec 2010]

Locus ID:

2812

MW:

12.5