

Product datasheet for **SC119912**

CD42c (GP1BB) (NM_000407) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD42c (GP1BB) (NM_000407) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD42c
Synonyms:	BDPLT1; BS; CD42C; GPIBB; GPIbbeta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119912 sequence for NM_000407 edited (data generated by NextGen Sequencing) ATGGGCTCCGGGCCGCGGGGGCGCTGAGCTTACTGCTCCTGCTGCTGGCCCCGCCGAGC CGCCCGGCCGAGGTTGCCCGGCCCTGTAGCTGCGCGGGGACGCTCGTGGAAGTGC CGCCCGGGGCTGACTTGGGCCTCGCTGCCGACCGCCTTCCCTGTCGACACAACCGAGCTG GTGCTGACCGGAACAACCTGACGGCGCTGCCCGGGGCTGCTGGACGCGCTGCCCGC CTGCGCACCGCACACCTGGGCGCAACCCTGGCGCTGCGACTGCCGCCTTGTGCCGCTG CGCGCCTGGTGGCCGGCCGCCGAGCGTGGCCCTACCGCGACCTGCGTTGCGTGGCG CCCCAGCGCTGCGCGGCCGCTGCTGCCCTATCTGGCCGAGGACGAGCTGCGCGCCGCT TGGCTCCCGGCCGCTGCTGGGGGGCGCTGGCGGCGCAGCTTGGCTGCTGGGCCTT GGGCTGCTGCACGCTTGTGCTGGTGTGCTGCTGTGCCGCTGCGGAGGCTGCGGGCC CGGGCCCGCGCTCGCGCCGAGCCGGCTGTCGCTGACCGACCCGCTGGTGGCCGAGCGA GCCGGAACCGACGAGTCCTGA

Clone variation with respect to NM_000407.4



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000407 unedited
 NAGTTCATTTTTGTAATAGACTCACTATAGGCGGCCGGAATTCGGCACCAGGGCCTCCC
 GATGTTCCACCCGCATGATCCCTTCCCGCCACACGATGCTCCGTTTTCTCCGTTGTGA
 ATGCCCGCTCCTGTCTGGTGACAGGAGAACAATGTTGGTGAACGTCGCAGCGGGTGTCC
 GAGTGTCCGTGTGCCCTGAGAGCGGGTGGGAGCGGAAGCCTGAGCGGCCTGCGGCCTC
 CGGCGATAGTGTCTATCTGCCCTGCAGCGCGCTCCGCGCGCCTCTGGCTATTTCT
 GGCCAGGCCGACGACTGTGGTCCGTCGGTGGCGGCTGGCAGGGGCGGGCGGCCTTATCGCT
 CGGCTCTCCCGCTACGCCTCCCGCTGCAGAGTAAGCCGGGCTGCCGTTCTCGCCATG
 GGCTCCGGGCGCGCGGGGCGCTGAGCTTACTGCTCCTGTGCTGGCCCCGCGAGCCGC
 CCGGCCGAGGTTGCCGGCGCCCTGTAGCTGCGCGGGGACGCTCGTGGACTGCGGGCGC
 CGCGGGTGACTTGGGCCTCGCTGCCGACCGCCTTCCCTGTGACACAACCGAGCTGGTG
 CTGACCGCAACAACCTGACGGCGCTGCCGCGGGGCTGCTGGACGCGCTGCCGCGCTG
 CGCACCGCACACCTGGGCGCAACCCCTGGCGCTGCGACTGCCGCCTTGTCCGCTGCGC
 CCCTGGCTGGCCGCGCCCGAGCGTGCGCCCTACCGACCTGGGTTTTCGTGGCGCCC
 CCAGCGCTGCGCGCGCCCTGTGCCCTATCTGGGCCGAGACGACTGCCCGCCGCTT
 GCGCNTCCGGCCGCTCTGCTTGGNGGCGCTTGGGGCGCAACTTGCCTGCTGGGCCTT
 GGGCTGCTGCACGCGTTGCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000407 unedited
 NTTGACTCGANACCGCGCCGCACTAAGATCAAGTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTCCAAATCAGAAGGGTTTATACCACCAAAGTTTGGAGAGGGAGACC
 CAGCAGGGTCTGGACCGCTATTGGGCCCATGGTCTCCCAACCTGGAAGTGGGGTTC
 GCCTCCCTCGGGTAGGGGGGGCAGGATTTCTGTCCCACGTGGTCTGGGCTGCAGGGG
 GGGGGTCTGAAAAATGGGCAGCGAGGAGGCGGGGACCGGTCCAGGTTGGCGGAGGGC
 CCCTCGGGCAGGGTCTGTCAAGTTTGCAGGCCGTGTTGCCACCTCCGGTTTTTCTCT
 CAGGACCGCCCTCTGTCTCTCTCCGCTTGTGTTCCCTCTCCCTTTCTTCCCCCCCC
 CCCCCCACTCTGTCTCCCTTCCCCCGCCCTAAATCTGTCCCGCCCTCCATTTTT
 CCACCACTCCTATTGCGCGCACTTCCCCCTTCCCCCTCCCCTCGCTCCTCACCCCTA
 TTAATTTTTTATTGTGTTTTCGATGTTCTGTTCCCCCCCCCATTTTCTTTCCACCTTT
 TTCCCCCCCCCTTCTGTTCCCTTCCCTTCCACGCCCCGTCCTCCCTTTACCCCCCT
 TCGCTTCCCCCCCCATCCCTCCCTTTTCTCTTTTCTGCTTTGCTTTTCTTTGTTAT
 TGCTTCCATTACTTAGCTTGTTCGTCCTTCTTCTTTTTTCTCCCTTTTTTCCCTCTCT
 TATATTCTTTTTTCTTATCACTAATTCTCCCTACCTCCTTTGCTCACTCTCCTTTCTCC
 CTCTGTTCCGCCCTCTCCCCCTCTCGTTTTGTTCTCCTTCCCTCCATTCCCTGTA
 CCACCATGCCTTCTATCCCCAACCTCGCTTCCCTTCTCACTTCTCTCTCCCCATAAC
 CCATCTTCCATTACTCACTACTT

Restriction Sites:

NotI-NotI

ACCN:

NM_000407

Insert Size:

1400 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_000407.3 , NP_000398.1
RefSeq Size:	955 bp
RefSeq ORF:	621 bp
Locus ID:	2812
UniProt ID:	P13224
Cytogenetics:	22q11.21
Domains:	LRRNT, LRRCT, LRR
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ECM-receptor interaction, Hematopoietic cell lineage
Gene Summary:	<p>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 plateletes 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]</p>