

## Product datasheet for **SC332283**

### Glycoprotein VI (GP6) (NM\_001256017) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein VI (GP6) (NM_001256017) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein VI
Synonyms:	BDPLT11; GPIV; GPVI
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332283 representing NM_001256017. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGTCTGGGGCGTGTGCCAGCGCAGAGTGGA  
CCGCTCCCAAGCCCTCCCTCCAGGCTCTGCCAGCTCCCTGGTGCCCTGGAGAAGCCAGTGACCCTC  
CGGTGCCAGGGACCTCCGGGCGTGGACCTGTACCGCTGGAGAAGCTGAGTTCACAGCAGGTACCAGGAT  
CAGGCAGTCTCTTCATCCCGCCATGAAGAGAAGTCTGGCTGGACGCTACCGCTGCTCCTACCAGAAC  
GGAAGCCTCTGGTCCCTGCCAGCGACCGCTGGAGCTCGTTGCCACGGGAGTTTTGCCAAACCCTCG  
CTCTCAGCCAGCCGGCCCGGGGTGTGTCAGGAGGGGACGTAACCCTACAGTGTGACTCGGTAT  
GGCTTTGACCAATTTGCTCTGTACAAGGAAGGGGACCCTGCGCCCTACAAGAATCCCGAGAGATGGTAC  
AGGGCTAGTTTTCCCATCATCACGGTGACCGCCGCCACAGCGGAACCTACCGATGCTACAGCTTCTCC  
AGCAGGGACCCATACCTGTGGTACGCCCCAGCGACCCCTGGAGCTTGTGGTCACAGAATTCTCAGAA  
GCCACCGTGAAGTACCGTCTCATTACAAACGAAGTCTTCACTGAGACTTCTAGGAGTATCACC  
GCCAGTCAAAGGAGTACAGACTCAGCTGGTCTGCCGCCAGTACTACCAAGGGCAACCTGGTC  
CGGATATGCCTCGGGGCTGTGATCCTAATAATCCTGGCGGGTTTCTGGCAGAGGACTGGCACAGCCGG  
AGGAAGCGCTGCGGCACAGGGGAGGGCTGTGCAGAGGCGCTTCCGCCCTCCCGCCCTCCCGCTG  
ACCCGAAATCAAACGGGGTACAGATGGAGGCCGACAGGATGTTACAGCCGCGGGTTATGTTCATGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001256017
Insert Size:	966 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).



[View online >](#)

**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\\_001256017.2](#)

**RefSeq Size:** 2210 bp

**RefSeq ORF:** 966 bp

**Locus ID:** 51206

**UniProt ID:** [Q9HCN6](#)

**Cytogenetics:** 19q13.42

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** ECM-receptor interaction

**MW:** 35.1 kDa

**Gene Summary:** This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (3) lacks an exon and uses an alternate splice site in the 3' coding region, compared to variant 1, that results in a frameshift. It encodes isoform 3 which has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.