

Product datasheet for **SC316064**

Glycoprotein VI (GP6) (NM_001083899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein VI (GP6) (NM_001083899) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein VI
Synonyms:	BDPLT11; GPIV; GPVI
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001083899, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGTCTGGGGCGTGTGCCAGCG
CAGAGTGGACCGTCCCCAAGCCCTCCCTCCAGGCTTGCCCAGCTCCCTGGTGCCCTG
GAGAAGCCAGTGACCCCTCCGGTGCCAGGGACCTCCGGGCGTGGACCTGTACCGCTGGAG
AAGCTGAGTTCAGCAGGTACCAGGATCAGGCAGTCTCTTCATCCCGGCCATGAAGAGA
AGTCTGGCTGGACGCTACCGCTGCTCCTACCAGAACGGAAGCCTCTGGTCCCTGCCAGC
GACCAGCTGGAGCTCGTTGCCACGGGAGTTTTTGCCAAACCCTCGCTCTCAGCCAGCCC
GGCCCGCGGTGTCGTCAGGAGGGACGTAACCCTACAGTGTGACTCGGTATGGCTTT
GACCAATTTGCTCTGTACAAGGAAGGGACCTGCGCCCTACAAGAATCCCGAGAGATGG
TACAGGGCTAGTTTTCCCATCATCACGGTGACCGCCGCCACAGCGGAACCTACCGATGC
TACAGTCTCTCCAGCAGGGACCCATACCTGTGGTCAGCCCCAGCGACCCCTGGAGCTT
GTGGTCACAGGAACCTCTGTGACCCCGCCGTTACCAACAGAACCACCTTCCCGGTA
GCAGAATTCTCAGAAGCCACCGTGAAGTACCGTCTCATTACAAACGAAGTCTTACA
ACTGAGACTTCTAGGAGTATCACCGCCAGTCAAAGGAGTCAGACTCTCCAGCTGGTGG
TCCTGCCCGCCAGTACTACCAAGGGCAACCTGGTCCGATATGCCTCGGGGCTGTGAT
CCTAATAATCCTGGCGGGTTTTCTGGCAGAGGACTGGCACAGCCGGAGGAAGCGCCTGCG
GCACAGGGGCAGGGCTGTGCAGAGGCCGCTTCCGCCCTCCCGCCCTCCCGCAGACCCG
GAAATCACACGGGGGTCAGGATGGAGGCCGACAGGATGTTACAGCCGCGGGTTATGTTT
ATGACCGCTGAACCCAGGCACGGTCTGATCCAAGGGAGGGATCATGGCATGGGAGGCGA
CTCAAAGACTGGCGTGTGTGGAGCGTGAAGCAGGAGGGCAGAGGCTACAGCTGTGAAA
CGAGGCCATGCTGCCTCCTCCTGGTGTTCATCAGGGAGCCGTTCCGCCAGTGTCTGTCT
GTCTGTCTGCCTCTGTCTGAGGGCACCCCTCCATTTGGGATGGAAGGAATCTGTGGGA
CCCCATCCTCCTCCTGCACACTGTGGATGACATGGTACCCTGGCTGGACCACATAGG
CCTCTTTCTTCAACCTCTAATATGGGCTCCAGACGGATCTCTAAGTTCCAGCTCTC
AGGGTTGACTCTGTTCCATCCTCTGTGCAAAATCCTCCCGTGTCTCCCTTTGGCCCTCTG
TGCTCTTGTCTGGTTTTCCCGAAAATCTCACCCCTCACTCCATCTCCACTGCGGTCTA
ACAAATCTCCTTTGCTCTCAGAACGGGTCTTGCAGGCAGTTTGGGTATGTCATTTCATT
TTCCTTAGTGAAAATAGCACGTTGCCCGCTTCCCTTACATTAGAAAACAAGATCAGC
CTGTGCAACATGGTGAACCTCATCTCTACCAACAAAAACAAAAAACAAAAAATTAGCC
AGGTGTGGTGGTGCATCCCTATACTCCAGCAACTCAGGGGGCTGAGGTGGGAGAATGGC
TTGAGCCTGGGAGGCAGAGGTTGCAAGTGAAGTACACACCCTGCACTCTAGCTCGG
GTGACGAAGCCTGACTTTGTCTCAAAAAATACAGGGATGAATATGTCAATTACCCTGATT

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- Restriction Sites:** Please inquire
- ACCN:** NM_001083899
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001083899.1](#), [NP_001077368.1](#)

RefSeq Size: 2268 bp

RefSeq ORF: 1863 bp

Locus ID: 51206

UniProt ID: [Q9HCN6](#)

Cytogenetics: 19q13.42

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ECM-receptor interaction

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 (1) represents the longer transcript and encodes the longer 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.