

Product datasheet for **SC304410**

Glycoprotein VI (GP6) (NM_016363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein VI (GP6) (NM_016363) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glycoprotein VI
Synonyms:	BDPLT11; GPIV; GPVI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016363 edited
 CAGGACAGGGCTGAGGAACCATGTCTCCATCCCCGACCGCCTTCTGTCTTGGGCTGT
 GTCTGGGGCGTGTGCCAGCGCAGAGTGGACCGCTCCCCAAGCCCTCCCTCCAGGCTCTGC
 CCAGCTCCCTGGTGCCCCCTGGAGAAGCCAGTGACCCTCCGGTGCCAGGGACCTCCGGGCG
 TGGACCTGTACCGCCTGGAGAAGCTGAGTTCAGCAGGTACCAGGATCAGGCAGTCTCT
 TCATCCCGCCATGAAGAGAAGTCTGGCTGGACGCTACCCTGCTCCTACCAGAACGGAA
 GCCTCTGGTCCCTGCCAGCGACCAGCTGGAGCTCGTTGCCACGGGAGTTTTTGC AAAAC
 CCTCGCTCTCAGCCAGCCCGGCCGGGTGTCGTGAGGAGGGACGTAACCCTACAGT
 GTCAGACTCGGTATGGCTTTGACCAATTTGCTCTGTACAAGGAAGGGACCCCTGCGCCCT
 ACAAGAATCCCGAGAGATGGTACCGGGCTAGTTTCCCCATCATCACGGTGACCGCGCCC
 ACAGCGGAACCTACCGATGCTACAGCTTCTCCAGCAGGGACCCATACCTGTGGTCCGGCC
 CCAGCGACCCCTGGAGCTTGTGGTACAGGAACCTCTGTGACCCCGAGCCGGTTACCAA
 CAGAACCACCTTCTCGGTAGCAGAATTCTCAGAAGCCACCGCTGAACTGACCGTCTCAT
 TCACAAACAAAGTCTTCACAACTGAGACTTCTAGGAGTATCACCACCAGTCCAAAGGAGT
 CAGACTCTCCAGCTGGTCTGCCGCCAGTACTACACCAAGGGCAACCTGGTCCGGATAT
 GCCTCGGGGTGTGATCCTAATAATCCTGGCGGGTTTCTGGCAGAGGACTGGCAGACCC
 GGAGGAAGCGCTGCCGCACAGGGCAGGGCTGTGCAGAGGCCGTTCCGCCCTGCCGC
 CCCTCCCGCAGACCCGAAATCACACGGGGTCAAGGATGGAGGCCGACAGGATGTTTACA
 GCCCGGGTTATGTTTATGACCGCTGAACCCAGGCACGGTCTGATCCAAGGGAGGGATC
 ATGGCATGGGAGCGACTCAAAGACTGGCGTGTGTGGAGCGTGAAGCAGGAGGGCAGAG
 GCTACAGCTGTGAAACGAGGCCATGCTGCCTCCTCCTGGTGTTCATCAGGGAGCCGTT
 CGGCCAGTGTCTGTCTGTCTGCCTCTGTCTGAGGGCACCCCTCCATTTGGGATGG
 AAGGAATCTGTGGAGACCCATCCTCCTCCCT



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016363 unedited GTTCGGAATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGCCCTTCAGNACAGGCTG AGGAACCATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGTCTGGGGCGTGT GCCAGCGCAGAGTGGACCGCTCCCAAGCCCTCCCTCCAGGCTCTGCCAGCTCCCTGGT GCCCTGGAGAAGCCAGTGACCTCCGGTGCCAGGACCTCCGGGCGTGGACCTGTACCG CCTGGAGAAGCTGAGTTCCAGCAGTACCAGGATCAGGCAGTCTTTCATCCCGGCCAT GAAGAGAAGTCTGGCTGGACGCTACCGCTGCTCTACCAGAACGGAAGCCTCTGGTCCCT GCCAGCGACCGAGCTGGAGCTCGTTGCCACGGGAGTTTTTGCCTAACCCCTCGCTCTCAGC CCAGCCCGGCCCGCGGTGTCGTACAGGAGGGGACGTAACCCTACAGTGTACAGACTCGGTA TGGCTTTGACCAATTTGCTCTGTACAAGGAAGGGGACCCCTGCGCCCTACAAGAATCCCGA GAGATGGTACCGGGCTAGTTTCCCATCATCACGGTGACCGCGCCACAGCGGAACCTA CCGATGTACAGCTTCTCCAGCAGGGACCCATACCTGTGGTGGCCCCCAGCGACCCCT GGAGCTTGTGGTACAGGAACCTCTGTGACCCCGCGGTTACCAACAGAACCCACCTTC CTCGGTAGCAGAATTCTCAGAAGCCACCGCTGAACTGACCGTCTCATTACAAACAAAGT CTTCAACTGAGACTTCTAGGAGTATCACCACCAGTCCAAAA
Restriction Sites:	Please inquire
ACCN:	NM_016363
Insert Size:	1300 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_016363.3 , NP_057447.3
RefSeq Size:	2263 bp
RefSeq ORF:	1020 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 (2) uses an alternate splice site in the 3' coding region, compared to variant 1, that results in a frameshift. It encodes isoform 2 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.