

Product datasheet for **RC214355**

Glycoprotein VI (GP6) (NM_001083899) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycoprotein VI (GP6) (NM_001083899) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glycoprotein VI
Synonyms:	BDPLT11; GPIV; GPVI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214355 representing NM_001083899
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCCATCCCCGACCGCCCTTTCTGTCTTGGGCTGTGTCTGGGGCTGTGCCAGCGCAGAGTGGAC
 CGCTCCCCAAGCCCTCCCTCCAGGCTCTGCCAGCTCCCTGGTGCCCTGGAGAAGCCAGTGACCCCTCCG
 GTGCCAGGACCTCCGGGCGTGGACCTGTACCGCTGGAGAAGCTGAGTTCACGACAGTACCAGGATCAG
 GCAGTCTCTTCAATCCCGGCCATGAAGAGAAGTCTGGCTGGACGCTACCGCTGCTCTACCAGAACGGAA
 GCCTCTGGTCCCTGCCAGCGACCGACTGGAGCTCGTTGCCACGGGAGTTTTTGCCAAACCTCGCTCTC
 AGCCAGCCCGCCCGCGGTGTCTGTCAGGAGGGGACGTAACCCACAGTGTGACTCGGTATGGCTTT
 GACCAATTTGCTCTGTACAAGGAAGGGGACCTGCGCCCTACAAGAATCCCGAGAGATGGTACAGGGCTA
 GTTTTCCCATCATCACGGTGACCGCCGCCACAGCGGAACCTACCGATGTACAGCTTCTCCAGCAGGGA
 CCCATACCTGTGGTCAGCCCCAGCGACCCCTGGAGCTTGTGGTACAGGAACCTCTGTGACCCCGCAGC
 CGGTTACCAACAGAACCACTTCCCGGTAGCAGAATTCTCAGAAGCCACCGCTGAAGTACCGCTCTCAT
 TCACAAACGAAGTCTTCACAACTGAGACTTCTAGGAGTATCACCGCCAGTCCAAAGGAGTACAGACTCTCC
 AGCTGGTGTGAGTCTGCCCGCAGTACTACACCAAGGGCAACCTGGTCCGGATATGCCTCGGGGCTGTGAT
 CCTAATAATCCTGGCGGGTTTTCTGGCAGAGGACTGGCACAGCCGGAGGAAGCGCCTGCGGCACAGGGGC
 AGGGCTGTGCAGAGGCGCTTCCGCCCTCCCGCCCTCCCGCAGACCCGGAAATCACACGGGGTCAAG
 ATGGAGGCCGACAGGATGTTACAGCCGCGGGTATGTTTCATGACCGTGAACCCAGGCACGGTCTGAT
 CCAAGGGAGGGATCATGGCATGGGAGGCGACTCAAAGACTGGCGTGTGTGGAGCGTGAAGCAGGAGGGC
 AGAGGCTACAGCTGTGGAACGAGGCCATGCTGCCTCTCTGGTGTCCATCAGGGAGCCGTTCCGGCA
 GTGTCTGTCTGTCTGCCTCTGTCTGAGGGCACCCCTCATTGGGATGGAAGGAATCTGTGGAGA
 CCCCATCTCTCCCTGCACACTGTGGATGACATGGTACCCTGGCTGGACCACATACTGGCTCTTTCTT
 CAACCTCTCTAATATGGGCTCCAGACGGATCTCTAAGGTTCCAGCTCTCAGGGTTGACTCTGTTCCATC
 CTCTGTGCAAAATCCTCCCGTCTTCCCTTTGGCCCTCTGTGCTTGTCTGGTTTTCCCGAAGAACTCT
 CACCCCTACTCCATCTCCACTGCGGTCTAACAAATCTCCTTTGCTCTCTCAGAACGGGTCTTGCAGGCA
 GTTTGGGTATGTCATTATTTTCTTAGTGTAAACTAGCACGTTGCCCGCTTCCCTTACATTAGAAAA
 CAAGATCAGCCTGTGCAACATGGTAAACCTCATCTCTACCAACAAAACAAAAAACAAAAAATTAGCC
 AGGTGTGGTGGTGCATCCCTATACTCCAGCAACTCAGGGGGCTGAGGTGGGAGAATGGCTTGCAGCTGG
 GAGGCAGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCTAGCTCGGGTACGGAAGCCTGACTTTGT
 CTCAAAAAATACAGGGATGAATATGTCAATTACCTGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214355 representing NM_001083899
 Red=Cloning site Green=Tags(s)

MSPSPALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGGPPVDLYRLEKLSRRYQDQ
 AVLFIPAMKRSLAGRYRCSYQNGSLWLSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLCQTRYGF
 DQFALYKEGDPAPYKNPERWYRASFPITVTAAHSGTYRCYSFSSRDPLYWSAPSDPLELVVTGTSVTPS
 RLPTEPPSPVAEFSEATAELTVSFTNEVFTTETSRSITASPKESSPAGESCPPVLHQGPDPMPRGCD
 PNNPGGVSGRGLAQPEEAPAAQGGCAEASAPPAPPADPEITRSGWRPTGCSQPRVMFMTAEPQARSY
 PREGSWHGRRLLKDRVWVSEAGGQRLQLWKRGHAAASSWCSIREPFGQCLSVCLPLCLRAPSIWDGRNLWR
 PHPPPCTLWMTWYPGWTTYWPLSSTSLIWAPDGSRLRFPALRVDSVPSSVQNPVLPFGPLCSCLVFPRNS
 HPHSISHCGLTNLLSSLRTGLAGSLGMSFIFLSVKLARCLPFTLENKISLCNMVKPHLYQQNKTKQLA
 RCGGASLYSQQLRGLRWENGLSLGGRGCSELRSHHCTLARVTKPDFVSKNTGMNMSITLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8070_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001083899

ORF Size: 1860 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

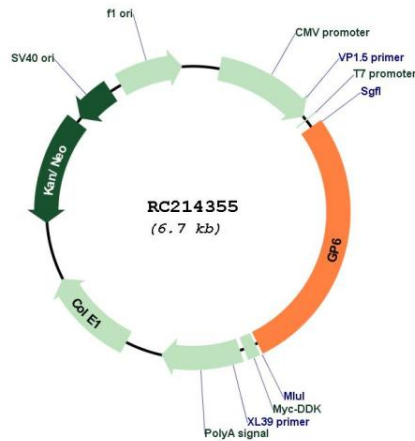
RefSeq: [NM_001083899.1](#), [NP_001077368.1](#)

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
MW:	67.3 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]

Product images:



Circular map for RC214355