

Product datasheet for **SC122551**

CD42a (GP9) (NM_000174) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD42a (GP9) (NM_000174) Human Untagged Clone
Tag: Tag Free
Symbol: CD42a
Synonyms: CD42a; GPIX
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000174 edited
 GCCAGGACCTTTTCAGGCCAGACAGGAGCACCTGACCAAAGGCTTCACAGCCGCCCTCACC
 GCCCGGCCTTCTACGGTGTCCAGAGACAGTTAGCCAGGCCTGGGCTGGGCACACTCCACC
 TTCCCTAGTCACCAGCTGGTTTCCAGAGGAGAAGGCTGAGACCCGAGAAGGGAGCCAGC
 CTGTCCCATGCCTGCCTGGGGAGCCCTGTTCTGCTCTGGGCCACAGCAGAGGCCACCAA
 GGACTGCCCCAGCCATGTACCTGCCGCGCCCTGGAAACCATGGGGCTGTGGGTGGACTG
 CAGGGGCCACGGACTCACGGCCCTGCCTGCCCTGCCGGCCCGCACCCGCCACCTTCTGCT
 GGCCAACAACAGCCTTCAGTCCGTGCCCCGGGAGCCTTTGACCACCTGCCCCAGCTGCA
 GACCCTCGATGTGACGCAGAACCCTGGCACTGTACTGCAGCCTCACCTATCTGCGCCT
 CTGGCTGGAGACCGCACGCCGAGGCCCTGCTGCAGGTCGGCTGTGCCAGCCCCAGCCT
 CGCTGCCCATGGCCCGCTGGGCCGGCTGACAGGCTACCAGCTGGGCAGCTGTGGCTGGCA
 GCTGCAGGCGTCTGGGTGCGCCCGGGGTCTTGTGGGACGTGGCCTGGTCACCGTGGC
 CGCGCTGGGCCTGGCTCTTCTGGCTGGCCTGCTGTGTGCCACCACAGAGGCCCTGGATTG
 AGCCAGGCCCCGAGAACCCTGGCTCCAGGCCAGGGGGCCAGTCCCTGAGGCAGGTCCCC
 AGACTCCACCAAGCCTGGTCAGCCCAAACCACCAGAAGCCAGAAATAAACTGGCAGCTCA
 GCTGTTTTATATAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000174 unedited NNGGTTCCGAATTTGTAATACGACTCACTATAGGGNCCGGCCGCGNAATTCCTCCGGGATGC CAGGACCTTTTCAGGCCAGACAGGAGCACCTGACCAAAGGCTTCACAGCCGCCCTCACCGC CCGGCCTTCTACGGTGTCCAGAGACAGTTAGCCAGGCCTGGGCTGGGCACACTCCACCTT CCCTAGTACCAGCTGGTTTCCCAGAGGAGAAGGCTGAGACCCGAGAAGGGAGCCAGCCT GTCCCATGCCTGCCTGGGAGCCCTGTTCTGCTCTGGGCCACAGCAGAGGCCACCAAGG ACTGCCCCAGCCCATGTACCTGCCGCGCCCTGGAACCATGGGGCTGTGGGTGGACTGCA GGGGCCACGGACTCACGGCCCTGCCTGCCCTGCCGGCCCGCACCCGCCACCTTCTGCTGG CCAACAACAGCCTTCAGTCCGTGCCCCCGGGAGCCTTTGACCACCTGCCCCAGCTGCAGA CCCTCGATGTGACGCAGAACCCCTGGCACTGTGACTGCAGCCTCACCTATCTGCGCCTCT GGCTGGAGGACCGCACGCCCGAGGCCCTGCTGCAGGTCCGCTGTGCCAGCCCCAGCCTCG CTGCCATGGCCCGCTGGGCCGGCTGACAGGCTACCAGCTGGGCAGCTGTGGCTGGCAGC TGCAGGCGTCTGNGTGCGCCCGNGGTCTTGTGGGACGTGGCGTGGTCACCGTCGCC CCCCCTGGCCCTGGCTCTTCTGGCTGGCCTGCTGTGTGCCACCACAGAGGCCCTGGATTG AGCCAGGCCCCAGAACCCCTGGCTCCAGGCCAGGGGGCCAGTCCCTGAGGCAGTCCCC AGACTCCACAAGCCTGGTCAGCCCAAACCCAGCCAGAATAAACTGGCAGTCAAC TGTTTTTTTTAAAAAANNNNNNNNNNNNNAAAA
Restriction Sites:	Please inquire
ACCN:	NM_000174
Insert Size:	900 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_000174.2 , NP_000165.1
RefSeq Size:	900 bp
RefSeq ORF:	534 bp
Locus ID:	2815
UniProt ID:	P14770
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ECM-receptor interaction, Hematopoietic cell lineage

Gene Summary:

This gene encodes a small membrane glycoprotein found on the surface of human platelets. It forms a 1-to-1 noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the protein encoded by this gene and platelet glycoprotein V. Defects in this gene are a cause of Bernard-Soulier syndrome, also known as giant platelet disease. These patients have unusually large platelets and have a clinical bleeding tendency. [provided by RefSeq, Oct 2008]