

Product datasheet for TP306597M

OriGene Technologies, Inc.

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CD42a (GP9) (NM_000174) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human glycoprotein IX (platelet) (GP9), 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC206597 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

 $MPAWGALFLLWATAEATKDCPSPCTCRALETMGLWVDCRGHGLTALPALPARTRHLLLANNSLQSVPPGA\\FDHLPQLQTLDVTQNPWHCDCSLTYLRLWLEDRTPEALLQVRCASPSLAAHGPLGRLTGYQLGSCGWQLQ$

ASWVRPGVLWDVALVTVAALGLALLAGLLCATTEALD

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 17.3 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeg: NP 000165

 Locus ID:
 2815

 UniProt ID:
 P14770

 RefSeq Size:
 911



CD42a (GP9) (NM_000174) Human Recombinant Protein - TP306597M

Cytogenetics: 3q21.3

RefSeq ORF: 531

Synonyms: CD42a; GPIX

Summary: This gene encodes a small membrane glycoprotein found on the surface of human platelets. It

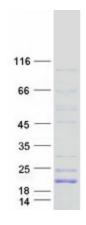
forms a 1-to-1 noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the protein encoded by this gene and platelet 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]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ECM-receptor interaction, Hematopoietic cell lineage

Product images:



Coomassie blue staining of purified GP9 protein (Cat# [TP306597]). The protein was produced from HEK293T cells transfected with GP9 cDNA clone (Cat# [RC206597]) using MegaTran 2.0 (Cat# [TT210002]).