

## Product datasheet for **TP306597**

### CD42a (GP9) (NM\_000174) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human glycoprotein IX (platelet) (GP9), 20 µg

**Species:** Human

**Expression Host:** HEK293T

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

MPAWGALFLLWATAEATKDCPSPTCRALETMGLWVDCRGHGLTALPALPARTRHLLANNSLQSVPPGA  
FDHLPQLQTLQNPWHDCSLTYLRLWLEDRTPEALLQVRCASPSLAAHGPLGRLTGYQLGSCGWQLQ  
ASWVRPGVLWDVALVTVAALGLALLAGLLCATTEALD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**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.

**RefSeq:** [NP\\_000165](#)

**Locus ID:** 2815

**UniProt ID:** [P14770](#)

**RefSeq Size:** 911



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Cytogenetics: 3q21.3

RefSeq ORF: 531

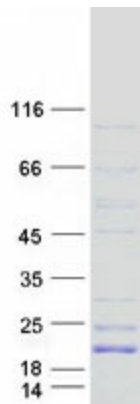
Synonyms: CD42a; GPIX

**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]).