

## Recombinant Human GP9

Cat. No. GP9-26632TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CD42a with N terminal proprietary tag, 45.54kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	177 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	45.540kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MPAWGALFLLWATAEATKDCPSPCTCRALETMGLWVDCRG HGLTALPALPARTRH LLLANNLSLQSVPPGAFDHLPLQLQTL DVTQNPWHCDCSLTYLRLWLEDRTPEALLQV RCASPSLAA HGPLGRLTGYQLGSCGWQLQASWVRPGVLWDVALVTVAAL GLALL AGLLCATTEALD
<b>Sequence Similarities</b>	Contains 1 LRR (leucine-rich) repeat.Contains 1 LRRCT domain.Contains 1 LRRNT domain.

## GENE INFORMATION

<b>Gene Name</b>	GP9 glycoprotein IX (platelet) [ Homo sapiens ]
<b>Official Symbol</b>	GP9
<b>Synonyms</b>	GP9; glycoprotein IX (platelet); platelet glycoprotein IX; CD42a; GPIX;
<b>Gene ID</b>	2815
<b>mRNA Refseq</b>	NM_000174
<b>Protein Refseq</b>	NP_000165
<b>MIM</b>	173515
<b>Uniprot ID</b>	P14770
<b>Chromosome Location</b>	3q21.3

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**Pathway**

ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; GP1b-IX-V activation signalling, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;

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