

CD42a/GP9 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77953
Synonyms:	GP-IX; GPIX; Glycoprotein 9; CD42a; GP9; CD42a
Species:	Human
Source:	HEK293
Accession:	P14770 (T17-G147)
Gene ID:	2815
Molecular Weight:	48-52 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of 20 mM Tris, 250 mM NaCl, pH 8.5. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CD42a/GP9 protein, also known as the GPIb-V-IX complex, plays a pivotal role as the von Willebrand factor (vWF) receptor, facilitating vWF-dependent platelet adhesion to blood vessels. This interaction is a crucial initial step in hemostasis, especially in response to injuries in the arterial circulation. GP-IX, within the GPIb-V-IX complex, is involved in the membrane insertion and orientation of GP-Ib. Notably, two GP-Ib beta subunits are disulfide-linked to one GP-Ib alpha subunit, and the GP-IX component forms a non-covalent linkage with the GP-Ib heterodimer.
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Caution: Product has not been fully validated for medical applications. For research use only.

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