

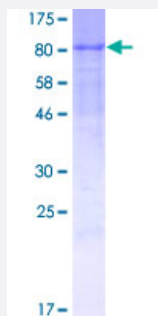
Full-Length

GP1BA (Human) Recombinant Protein (P01)

Catalog # H00002811-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GP1BA full-length ORF (AAH27955.1, 1 a.a. - 626 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPLLLLLLLLLPSPLPHHPICEVSKVASHLEVNC DKRNL TALPPDLPKDDTILHLS ENLLYTFSLATLM
PYRLTQLNLDRC ELTKLQVDGTL PVLGTLDLSHNQLQSLPLL GQTLPALTVLDVSFNRLTSLPLG
ALRGLGELQEL YLKGNE LKTLPPG LLTPPKLEKLSLANNNL TELPAGLLNGLENLDTLL LQENSLY
TIPKGFFGSHLLPFAFLHGNPWLCNCEILYFRRWLQDNAENVYVWKQGV DVKAMTSNVASVQCD
NSDKFPVYKYPGKG CPTLGDEGDTLDLYDYPEEDTEGDKVRATRTVVKFPTKAHTTPWGLFY SW
STASLDSQMPSSLHPTQESTKEQTTFPPRWTPNFTLHMESITFSKTPKSTTEPTSPPTTSEPVPE
PAPNMTTLEPTSPPTTPEPTSEPAPSPTTPEPTPIPTIATSP TILVSATSLITPKSTFLTTTKPVSLL ES
TKKTIPELDQPPKLRGVLQGHLESSRNDPFLHPDFCCLLP LFGFVVLGLFWLLFASVVLILL LSWVG
HVKPQALDSGQGAALTATQTTHLELQRGRQVTPRAWLLFLRGSLPTFRSSLFLWWRPNGR LG
PLVAGRRPSALSQGRGQDLLSTVSIRYSGHSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GP1BA

Entrez GeneID	2811
GeneBank Accession#	BC027955.1
Protein Accession#	AAH27955.1
Gene Name	GP1BA
Gene Alias	BSS, CD42B, CD42b-alpha, GP1B, MGC34595
Gene Description	glycoprotein Ib (platelet), alpha polypeptide
Omim ID	177820 231200 258660 606672
Gene Ontology	Hyperlink
Gene Summary	Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that are linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Several polymorphisms and mutations have been described in this gene, some of which are the cause of Bernard-Soulier syndromes and platelet-type von Willebrand disease. [provided by RefSeq]
Other Designations	platelet glycoprotein Ib alpha polypeptide platelet membrane glycoprotein 1b-alpha subunit

Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

Disease

- [Acute Chest Syndrome](#)
- [Acute Disease](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina](#)
- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Bernard-Soulier Syndrome](#)
- [Blood Platelet Disorders](#)
- [Brain Ischemia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)

- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Heart Diseases](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hypercholesterolemia](#)
- [Hyperhomocysteinemia](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)

- [Intracranial Aneurysm](#)
- [Intraoperative Complications](#)
- [Ischemic Attack](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Obstetric Labor](#)
- [Pain](#)
- [Polycythemia Vera](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prosthesis Failure](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Thalassemia](#)
- [Thrombocythemia](#)
- [Thrombocytopenia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Vascular Diseases](#)

- [von Willebrand Disease](#)
- [Werner syndrome](#)