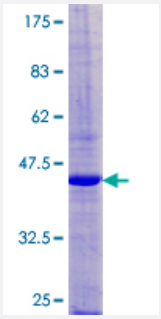
Full-Length

GP9 (Human) Recombinant Protein (P01)

Catalog # H00002815-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GP9 full-length ORF (AAH30229.1, 1 a.a. - 177 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPAWGALFLLWATAEATKDCPSPCTCRALETMGLWVDCRGHGLTALPALPARTRHLLLANNSL QSVPPGAFDHLPQLQTLDVTQNPWHCDCSLTYLRLWLEDRTPEALLQVRCASPSLAAHGPLGRL TGYQLGSCGWQLQASWVRPGVLWDVALVTVAALGLALLAGLLCATTEALD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.5
Interspecies Antigen Sequence	Mouse (72); Rat (69)
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 — GP9

Entrez GeneID	2815
GeneBank Accession#	BC030229.1
Protein Accession#	AAH30229.1
Gene Name	GP9
Gene Alias	CD42a, GPIX
Gene Description	glycoprotein IX (platelet)
Omim ID	173515 231200
Gene Ontology	Hyperlink
Gene 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
Other Designations	platelet glycoprotein IX

Pathway

- ECM-receptor interaction
- Hematopoietic cell lineage

Disease

- Bernard-Soulier Syndrome
- Blood Platelet Disorders
- Brain Ischemia
- Genetic Predisposition to Disease
- Graft Occlusion
- Kidney Failure
- Recurrence
- Stroke
- Thalassemia
- Thrombocytopenia
- Thrombosis
- von Willebrand Disease