

Active Recombinant Mouse GP1BA Protein, C-His-tagged

Cat. No. GP1BA-21M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GP1BA Protein, fused to His-tag at C-terminus, was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	Gln17-Pro612
Description	Acts upstream of or within blood coagulation and cell morphogenesis. Colocalizes with anchored component of external side of plasma membrane. Is expressed in dorsal root ganglion; embryo; liver; and spinal cord. Used to study Bernard-Soulier syndrome. Human ortholog(s) of this gene implicated in Bernard-Soulier syndrome; Bernard-Soulier syndrome type A2; myocardial infarction; non-arteritic anterior ischemic optic neuropathy; and platelet-type bleeding disorder 3. Orthologous to human GP1BA (glycoprotein Ib platelet subunit alpha).
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. Recombinant Mouse CD42b/GPIb alpha is immobilized at 0.5 µg/mL (100 µL/well), the concentration of Recombinant Human vWF-A2 that produces 50% optimal binding response is approximately 0.1-0.5µg/mL in the presence of ristocetin.
Molecular Mass	Predicted Molecular Mass: 66 kDa

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	SDS-PAGE: 108-150 kDa, reducing conditions
N-terminal Sequence Analysis	No results obtained: Gln17 inferred from enzymatic pyroglutamate treatment revealing His18
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 500 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Related Research Areas	Coagulation Myeloid Lineage Markers Platelet Adhesion Molecules Platelet Markers

GENE INFORMATION

Gene Name	Gp1ba glycoprotein 1b, alpha polypeptide [<i>Mus musculus</i> (house mouse)]
Official Symbol	GP1BA
Synonyms	GPIba; GPIbalpha; GP-Ib alpha

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Gene ID	14723
mRNA Refseq	NM_010326.3
Protein Refseq	NP_034456.2
UniProt ID	O35930

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