Recombinant Human GPIHBP1 Protein, His-tagged

Cat. No. GPIHBP1-2210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPIHBP1 Protein (Gln21-Gly151) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln21-Gly151
Description	This gene encodes a capillary endothelial cell protein that facilitates the lipolytic proce ssing of triglyceride-rich lipoproteins. The encoded protein is a glycosylphosphatidylin ositol-anchored protein that is a member of the lymphocyte antigen 6 (Ly6) family. Thi s protein plays a major role in transporting lipoprotein lipase (LPL) from the subendot helial spaces to the capillary lumen. Mutations in this gene are the cause of hyperlipo proteinemia, type 1D. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.4 kDa Accurate Molecular Mass: 21 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%

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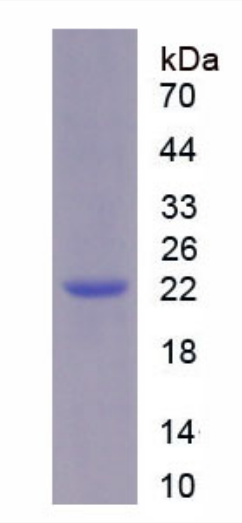
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GPIHBP1 glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1 [Homo sapiens (human)]
Official Symbol	GPIHBP1
Synonyms	GPIHBP1; glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1; GPI anchored high density lipoprotein binding protein 1; glycosylphosphatidylinositol-anchored high density lipoprotein-binding protein 1; GPI HBP1; LOC338328; GPI-anchored HDL-binding protein 1; high density lipoprotein-binding protein 1; GPI-HBP1;
Gene ID	338328

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mRNA Refseq	NM_178172
Protein Refseq	NP_835466
MIM	612757
UniProt ID	Q8IV16



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