Recombinant Human GP6 protein, His-tagged

Cat. No. GP6-1950H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GP6 aa. (Tyr86~Thr231 (Accession # Q9HCN6)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr86~Thr231
Description	This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	19kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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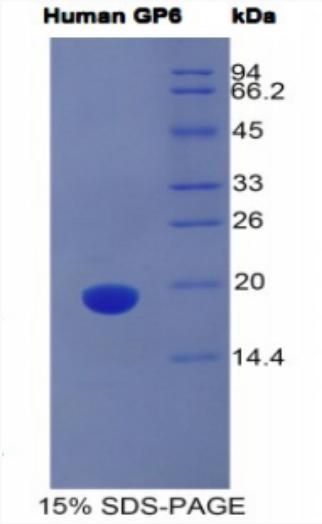
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GP6 glycoprotein VI platelet [Homo sapiens (human)]
Official Symbol	GP6
Synonyms	MYH5; MHC20; MYH16P; myosin heavy polypeptide 5; myosin, heavy chain 16; myosin, heavy polypeptide 16; sarcomeric myosin
Gene ID	51206
mRNA Refseq	NM_001083899.2

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Protein Refseq	NP_001077368.2
UniProt ID	Q9HCN6



SDS-PAGE

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