

Recombinant Human HRG protein, His & GST-tagged

Cat. No. HRG-7862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HRG aa. (Ala18~Gly254 (Accession # P04196)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala18~Gly254
Description	This histidine-rich glycoprotein contains two cystatin-like domains and is located in plasma and platelets. The physiological function has not been determined but it is known that the protein binds heme, dyes and divalent metal ions. The encoded protein also has a peptide that displays antimicrobial activity against C. albicans, E. coli, S. aureus, P. aeruginosa, and E. faecalis. It can inhibit rosette formation and interacts with heparin, thrombospondin and plasminogen. Two of the protein's effects, the inhibition of fibrinolysis and the reduction of inhibition of coagulation, indicate a potential prothrombotic effect. Mutations in this gene lead to thrombophilia due to abnormal histidine-rich glycoprotein levels.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.7.
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, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HRG histidine rich glycoprotein [Homo sapiens (human)]
Official Symbol	HRG
Synonyms	HRG; histidine rich glycoprotein; histidine rich glycoprotein; histidine-rich glycoprotein; histidine-proline-rich glycoprotein
Gene ID	3273

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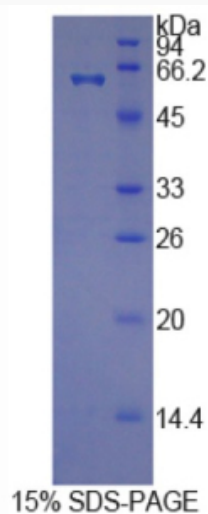
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mRNA Refseq NM_000412.4

Protein Refseq NP_000403.1

UniProt ID P04196

SDS-PAGE



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