

## 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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<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.7.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

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

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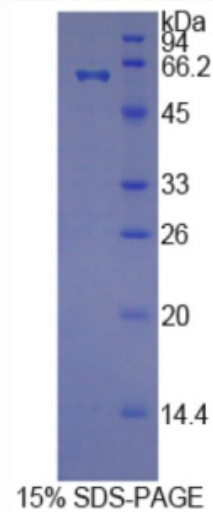
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mRNA Refseq [NM\\_000412.4](#)

Protein Refseq [NP\\_000403.1](#)

UniProt ID [P04196](#)

**SDS-PAGE**



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