

Recombinant Human HRG Protein, GST-tagged

Cat. No. HRG-5032H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HRG full-length ORF (NP_000403.1, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. It can inhibit rosette formation and interacts with heparin, thrombospondin and plasminogen. Two of the proteins 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. [provided by RefSeq]
Molecular Mass	86 kDa
AA Sequence	MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLD RVENTTVYYLVLDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRHSSES QDLRVIDFNCTTSSVSSALANTKDSPVLIDFFEDTERYRKQANKALEKYKEENDDDFA SFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPRHPNVFGFCRADLFYDVEAL DLESPKNLVINCEVFDPQEHENINGVPPHLGHPFHWGGHERSSTTKPPFKPHGSRD HHHPHKPHEHGPPPPDERDHSHPPLPQGPPPLLPMSCSSCQHATFGTNGAQR HSHNNNSSDLHPHKHHSHEQHPHGHHHPAHHPHEHDTHRQHPHGHHHPHGHHHPH

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GHHPHGHHPHGHHPHCHDFQDYGPCDPPPHNQGHCCGHGPPPGHLRRRGPGK
GPRPFHCRQIGSVYRLPPLRKGEVLPLPEANFPSFPLPHHKHPLKPDNQPFQSVS
ESCPGKFKSGFPQVSMFFTHTFPK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HRG histidine-rich glycoprotein [Homo sapiens]

Official Symbol

HRG

Synonyms

HRG; histidine-rich glycoprotein; histidine proline rich glycoprotein; HPRG; HRGP;
thrombophilia due to elevated HRG; histidine-proline-rich glycoprotein; THPH11;
DKFZp779H1622;

Gene ID

3273

mRNA Refseq

NM_000412

Protein Refseq

NP_000403

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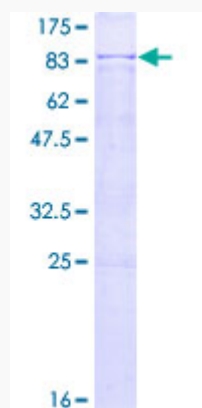
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MIM 142640

UniProt ID P04196

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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