

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	MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLDRVENTTVYYLVLDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRHSSESQDLRVIDFNCTTSSVSSALANTKDSPVLIDFFEDTERYRKQANKALEKYKEENDDDFA SFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPRHPNVFGFCRADLFYDVEALDLESPKNLVINCEVFDQPQEHENINGVPPHLGHPFHWGGHERSSTTKPPFKPHGSRD HHHHPKPHGPPPPPPDERDHSHPPLPQGPPPLLPMSCSSCQHATFGTNGAQR HSHNNNSSDLHPKHHSHEQHPHGHHPHAHHPHEHDTHRQHPHGHHHPHGHHPH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GHHPHGHHPHGHHPHCHDFQDYGPCDPPPHNQGHCCGHGPPPGHLRRRGPGK
 GPRPFHCRQIGSVYRLPPLRKGEVLPLPEANFPSFPLPHHKHPLKPDNQPFQSVS
 ESCPGKFKSGFPQVSMFFHTFPK

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

 Tel: 1-631-559-9269 1-516-512-3133

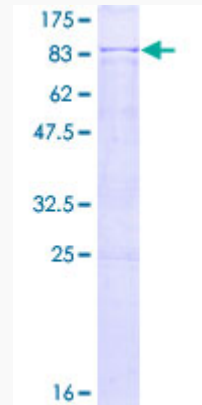
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 142640

UniProt ID P04196

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA