

Recombinant Full Length Human HRG Protein, GST-tagged

Cat. No. HRG-3660HF 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	In Vitro Cell Free System
ProteinLength	525 amino acids
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	MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLDRVENTTVYYLVLDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRHSHEQDLRVIDFNCTTSSVSSALANTKDSPVLIDFFEDTERYRKQANKALEKYKEENDDFASFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPRHPNVFGFCRADLFYDVEALDLESPKNLVINCEVFDPQEHENINGVPPHLGHPFHWGGHERSSTTKPPFKPHGSRDHHHPKPHHEHGPPPPDERDHSHPPLPQGPPPLLPMSCSSCQHATFGTNGAQR

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HSHNNNSSDLHPHKHHSHEQHPHGHHHPAHHPHEHDTHRQHPHGHHHPHGHHPH
 GHHPHGHHHPHGHHPHCHDFQDYGPCDPPPHNQGHCCGHGPPPGHLRRRGPGK
 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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MIM	142640
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UniProt ID	P04196
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