Recombinant Full Length Human HRG Protein, C-Flag-tagged

Cat. No. HRG-799HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HRG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.6 kDa
AA Sequence	MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLD RVENTTVYYLV LDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRHSHE SQDLRVIDFNCTTSSVSSALANTKD SPVLIDFFEDTERYRKQANKALEKYKEENDDF ASFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPR HPNVFGFCRADLFYDVE

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

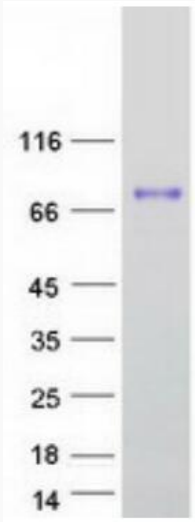
	ALDLESPKNLVINCEVFDPQEHENINGVPPHLGHPFHWGGHERSSTTKPPFKP HGS RDHHHPHKPHEHGPPPPPDERDHSHGPPLPQGPPPLLPMSCSSCQHATFGTNGA QRHSHNNNSSDLH PHKHHSHEQHPHGHHPHAHHPHEHDTHRQHPHGHHPHGHH PHGHHPHGHHPHGHHPHCHDFQDYGPCDPP PHNQGHCCHGHGPPPGHLRRRG PGKGPRPFHCRQIGSVYRLPPLRKGEVLPLPEANFPSFPLPHHKHPLK PDNQPFPQSVSESCPGKFKSGFPQVSMFFTHTFPKTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	HRG histidine rich glycoprotein [Homo sapiens (human)]
Official Symbol	HRG
Synonyms	HPRG; HRGP; THPH11

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Gene ID	3273
mRNA Refseq	NM_000412.5
Protein Refseq	NP_000403.1
MIM	142640
UniProt ID	P04196



Coomassie blue staining of purified HRG protein.

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