

Product datasheet for **TP310166L**

HRG (NM_000412) Human Recombinant Protein

Product data:

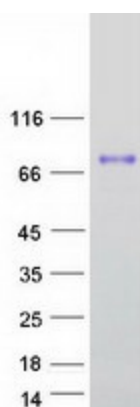
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histidine-rich glycoprotein (HRG), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210166 protein sequence Red =Cloning site Green =Tags(s)
	<p>MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLDRENTTVYYLV LDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRHSQDLRVIDFNCTTSSVSSALANTKD SPVLIDFFEDTERYRKQANKALEKYKEENDDFASFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPR HPNVFGFCRADLFYDVEALDLESPKNLVINCEVDPQEHENINGVPPHLGHPFHWGGHERSSTTKPPFKP HGSRDHHHPHKPHEHGPPPPDERDHSHPPLPQGPPPLLPMSCSSCQHATFGTNGAQRHSHNNNS SDLH PHKHHSHEQHHPGHHPHAHHPHEHDTHRQHPHGHHHPGHHPGHHPGHHPGHHPGHHPGHHPCHDFQ DYGPCDPP PHNQGHCCGHGPPPGHLRRRGPGKGPRPFHCRQIGSVYRLPPLRKGEVLPLPEANFPSFPLPHHKHPL K PDNQPPFPQSVSESCPGKFKSGFPQVSMFFTHTFPK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	57.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000403</u>
Locus ID:	3273
UniProt ID:	<u>P04196</u>
RefSeq Size:	2015
Cytogenetics:	3q27.3
RefSeq ORF:	1575
Synonyms:	HPRG; HRGP; THPH11
Summary:	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 <i>C. albicans</i> , <i>E. coli</i> , <i>S. aureus</i> , <i>P. aeruginosa</i> , and <i>E. faecalis</i> . 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. [provided by RefSeq, Nov 2014]
Protein Families:	Secreted Protein

Product images:



Coomassie blue staining of purified HRG protein (Cat# [TP310166]). The protein was produced from HEK293T cells transfected with HRG cDNA clone (Cat# [RC210166]) using MegaTran 2.0 (Cat# [TT210002]).