

Product datasheet for PH310166

HRG (NM_000412) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HRG MS Standard C13 and N15-labeled recombinant protein (NP_000403)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210166
Predicted MW:	59.6 kDa
Protein Sequence:	>RC210166 protein sequence Red=Cloning site Green=Tags(s)

MKALIAALLLITLQYSCAVSPTDCSAVEPEAEKALDLINKRRRDGYLFQLLRIADAHLDRVENTTVYYLV
LDVQESDCSVLSRKYWNDCEPPDSRRPSEIVIGQCKVIATRSHESQDLRVIDFNCTTSSVSSALANTKD
SPVLIDFFEDTERYRKQANKALEKYKEENDDFASFRVDRIERVARVRGGEGTGYFVDFSVRNCPRHHFPR
HPNVFGFCRADLFYDVEALDLESPKNLVINCEVFDQEHENINGVPPHLGHPFHGGHERSSTTKPPFKP
HGSRDHHHPKPHGPPPPDERDHSHPPLPQGPPPLPMSCSSCQHATFGTNGAQRHSHNNSSDLH
PHKHSHEQHPHGHPHAPHHEHDTHRQHPHGHPHGHPHGHPHGHPHGHPHGHPHCHDFQDYGPCDPP
PHNQGHCHGPPPPGHLRRRGPGKGRPFHCRQIGSVYRLPPLRKGEVLPPEANFSPFPLPHHKHPLK
PDNQPFQSVSESCPGKFKSGFPQVSMFFTHTFPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000403</u>
RefSeq Size:	2015
RefSeq ORF:	1575



[View online »](#)

Synonyms: HPRG; HRGP; THPH11

Locus ID: 3273

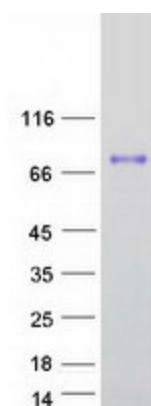
UniProt ID: [P04196](#)

Cytogenetics: 3q27.3

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 *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. [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]).