



# Recombinant Human Histidine-rich glycoprotein (HRG)

<b>Product Code</b>	CSB-EP010736HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P04196
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	VS PTDCSAVEPE AEKALDLINK RRRDGYLFQL LRIADAHLDLDR VENTTVYYLV LDVQESDCSV LSRKYWNDCE PPDSRRPSEI VIGQCKVIAT RSHSHSQDLR VIDFNCTTSS VSSALANTKD SPVLIDFFED TERYRKQANK ALEKYKEEND DFASFRVDRI ERVARVRGGE GTGYFVDFSV RNCPRHHFPR HPNVFGFCRA DLFYDVEALD LESPKNLVIN CEVFDPQEHE NINGVPPHLG HPFHWGGHER SSTTKPPFKP HGSRDHHPH KPHEHGPPPP PDERDHSHP PLPQGPPPLL PMSCSSCQHA TFGTNGAQRH SHNNNSSDLH PHKHSHEQH PHGHHPHAAH PHEHDTHRQH PHGHHPHGHH PHGHHPHGHH PHGHHPHCHD FQDYGPCDPP PHNQGHCCCHG HGPPPGHLRR RGPKGPRPF HCRQIGSVYR LPPLRKGEVL PLPEANFPSF PLPHHKHPLK PDNQPFQSV SESCOGKFKS GFPQVSMFFT HTFPK
<b>Source</b>	E.coli
<b>Target Names</b>	HRG
<b>Protein Names</b>	Recommended name: Histidine-rich glycoprotein Alternative name(s): Histidine-proline-rich glycoprotein Short name= HPRG
<b>Expression Region</b>	19-525
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.