

# Human HPRG/HRGP (His Tag) recombinant protein



Catalog Number: 500746

## General Information

### Gene Name Synonym

Histidine-proline-rich glycoprotein

### Protein Construction

A DNA sequence encoding the human HPRG (NP\_000403.1) (Met 1-Lys 525) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to support the adhesion of MOLT-4 human acute lymphoblastic leukemia cells. (Lamb-Wharton, R.J. and W.T. Morgen, 1993, Cell Immunol. 152: 544). Human HPRG immobilized at 1 µg/ml (100 µl/well) will induce >65% MOLT4 cell adhesion (1 x 10E5 cells/well) in the presence of 7.5 µg/ml Concanvalin A.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Val 19

### Molecular Mass

The secreted recombinant human HPRG comprises 518 amino acids with a predicted molecular mass of 59 kDa. As a result of glycosylation, rhHPRG migrates as an approximately 75-80 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

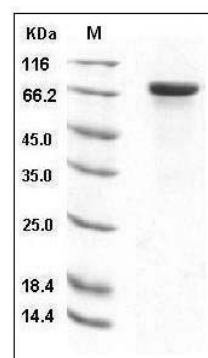
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human HPRG / HRG Protein (His Tag) SDS-PAGE