

# Human PIGR (365 Ser/Gly, His Tag) recombinant protein



Catalog Number: 500263

## General Information

### Gene Name Synonym

Hepatocellular carcinoma-associated protein TB6;  
Secretory component

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 638, 365 Ser/Gly) of human PIGR (NP\_002635.2) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized rhhuman IgM at 2 µg/ml (100 µl/well) can bind biotinylated PIGR with a linear range of 0.94-15 ng/ml.
2. When human human IgM is immobilized at 2 µg/ml (100 µl/well), PIGR inhibits 50% binding of biotinylated PIGR (0.062 µg/ml) at the concentration range of 0.03-20 µg/ml.

### 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

Lys 19

## Molecular Mass

The soluble form of recombinant human PIGR consists of 630 amino acids after removal of the signal peptide and has a predicted molecular mass of 69 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 80-90 kDa due to glycosylation.

## 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

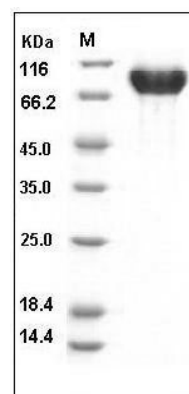
### Storage

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



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