## 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  $\mu$ g/ml (100  $\mu$ l/well) can bind biotinylated PIGR with a linear range of 0.94-15 ng/ml.
- 2. When human human IgM is immobilized at 2  $\mu$ g/ml (100  $\mu$ l/well), PIGR inhibits 50% binding of biotinylated PIGR (0.062  $\mu$ g/ml) at the concentration range of 0.03-20  $\mu$ g/ml.

#### **Purity**

> 97 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}$ 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**

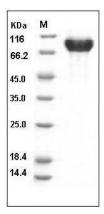
#### **Storage**

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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Human PIGR Protein (365 Ser/Gly, His Tag) SDS- PAGE