

# Mouse PIGR (His Tag) recombinant protein



Catalog Number: 502464

## General Information

### Gene Name Synonym

Secretory component

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 645) of mouse PIGR (NP\_035212.2) precursor was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse PIGR at 5 µg/ml (100 µl/well) can bind mouse IgM with a linear range of 0.156-10 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 secreted recombinant mouse PIGR consists of 638 amino acids and has a calculated molecular mass of 70.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 90-100 kDa protein 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

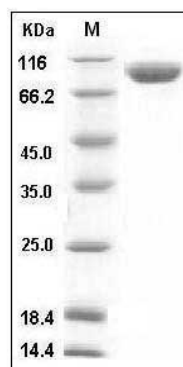
### Storage

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



Mouse PIGR Protein (His Tag) SDS-PAGE