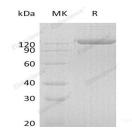
Recombinant Human PIGR Protein (Fc Tag)

Catalog Number: PKSH032914



Note: Centrifuge before opening to ensure complete recovery of vial contents.

| Description | |
|-----------------------------|---|
| Synonyms | Polymeric Immunoglobulin Receptor;PIgR;Poly-Ig Receptor;Hepatocellular Carcinoma-Associated Protein TB6;PIGR |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Lys19-Arg638 |
| Accession | P01833 |
| Calculated Molecular Weight | 95.0 kDa |
| Observed molecular weight | 120 kDa |
| Tag | C-Fc |
| Properties | |
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per μ g of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print |
| Reconstitution | Please refer to the printed manual for detailed information. |
| Data | • |



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Background

PIGR binds polymeric IgA and IgM at the basolateral surface of epithelial cells. The complex is then transported across the cell to be secreted at the apical surface. During this process a cleavage occurs that separates the extracellular (known as the secretory component) from the transmembrane segment.

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