



Recombinant Protein Technical Manual

Recombinant Human PIGR Protein (Fc Tag)

RPES2311

Product Data:

Product SKU: RPES2311

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P01833

Protein Information:

Molecular Mass: 95.0 kDa

AP Molecular Mass: 120 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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,150mM NaCl,pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Polymeric Immunoglobulin Receptor; PIgR; Poly-Ig Receptor; Hepatocellular Carcinoma-Associated Protein TB6; PIGR

Immunogen Information:

Sequence: Lys19-Arg638

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.