

Recombinant Human Polymeric Immunoglobulin Receptor/PlgR (C-His)

Catalog No: BP074

Description	Recombinant Human Polymeric Immunoglobulin Receptor is produced by Human 293 Cells. The target gene encoding K19-R638 is expressed with an 8His tag at the C terminus.
Expression System	Human
Alternative name	"Polymeric Immunoglobulin Receptor; PlgR; Poly-Ig Receptor; Hepatocellular Carcinoma-Associated Protein TB6; PIGR"
Accession No.	P01833
Predicted Molecular Weight	70.9kDa
Apparent Molecular Weight	PlgR appeared as a smear at 66-116kDa in a reducing SDS-PAGE gel due to glycosylation.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.5
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Polymeric Immunoglobulin Receptor (plgR) is a type I transmembrane glycoprotein. plgR is expressed by secretory epithelial cells with five Ig-like domains in the extracellular region, and transfer to the basolateral plasma membrane where it can bind larger polymers of IgA (plgA) and pentameric IgM. The complex is then transported across the cell to be secreted at the apical surface. During this process, a cleavage occurs and separates the extracellular (known as the secretory component) from the transmembrane segment.

SDS-PAGE

