

## Recombinant Mouse Pigr Protein, Myc/DDK-tagged

**Cat. No.** Pigr-4856M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length polymeric immunoglobulin receptor (Pigr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Mediates selective transcytosis of polymeric IgA and IgM across mucosal epithelial cells. 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.
<b>Molecular Mass</b>	85.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** Pigr polymeric immunoglobulin receptor [ Mus musculus (house mouse) ]

**Official Symbol** Pigr

**Synonyms** PIGR; polymeric immunoglobulin receptor; poly-Ig receptor; phosphatidylinositol glycan, class R

**Gene ID** 18703

**mRNA Refseq** NM\_011082

**Protein Refseq** NP\_035212

**UniProt ID** O70570

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