

Recombinant Mouse Pigr Protein, Myc/DDK-tagged

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

SPECIFICATION

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