

Recombinant Human PIGR protein, His-tagged

Cat. No. PIGR-830H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIGR protein (Lys19-Arg638), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	620
Description	Polymeric immunoglobulin receptor (PIGR) is also known as Poly-Ig receptor, which can be cleaved into membrane secretory component (SC). PIGR is a type I transmembrane glycoprotein or a member of the immunoglobulin superfamily, and is synthesized by secretory epithelial cells and delivered 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 that separates the extracellular (known as the secretory component) from the transmembrane segment.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 68.7 kDa. The protein migrates as 85-95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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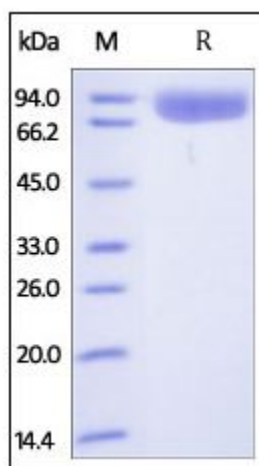
Purity	>98% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	PIGR
Official Symbol	PIGR
Synonyms	PIGR; polymeric immunoglobulin receptor; poly-Ig receptor; hepatocellular carcinoma associated protein TB6; hepatocellular carcinoma-associated protein TB6; FLJ22667; MGC125361; MGC125362
Gene ID	5284
mRNA Refseq	NM_002644
Protein Refseq	NP_002635
MIM	173880
UniProt ID	P01833

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SDS-PAGE of PIGR-830H



Human plgR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.