

Active Recombinant Human PIGR protein(Met1-Arg638, 365Ser/Gly), His-tagged

Cat. No. PIGR-829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PIGR protein(Met 1-Arg 638, 365 Ser/Gly)(NP_002635.2) was expressed in Human Cells with a C-terminal polyhistidine tag.
Species	Human
Source	Human Cells
ProteinLength	1-638 aa, 365 Ser/Gly
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. 1. Immobilized rhhuman IgM at 2 µg/ml (100 µl/well) can bind biotinylated PIGR with a linear range of 0.94-15 ng/ml. 2. When human human IgM is immobilized at 2 µg/ml (100 µl/well), PIGR inhibits 50% binding of biotinylated PIGR (0.062 µg/ml) at the concentration range of 0.03-20 µg/ml.
Molecular Mass	The soluble form of recombinant human PIGR consists of 630 amino acids after removal of the signal peptide and has a predicted molecular mass of 69 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 80-90 kDa due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
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

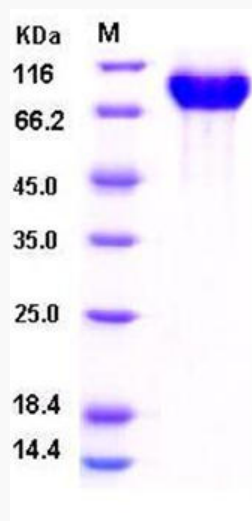
Gene Name	PIGR polymeric immunoglobulin receptor [Homo sapiens]
Official Symbol	PIGR
Synonyms	PIGR; polymeric immunoglobulin receptor; poly-Ig receptor; hepatocellular carcinoma associated protein TB6; hepatocellular carcinoma-associated protein TB6; FLJ22667; MGC125361; MGC125362;
Gene ID	5284
mRNA Refseq	NM_002644
Protein Refseq	NP_002635
MIM	173880
UniProt ID	P01833

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SDS-PAGE



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