

Active Recombinant Mouse Pigr protein, His-tagged

Cat. No. Pigr-830M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pigr protein(NP_035212.2)(Met1-Lys645), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys645
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse PIGR at 5 µg/ml (100 µl/well) can bind mouse IgM with a linear range of 0.156-10 µg/ml.
Molecular Mass	The secreted recombinant mouse PIGR consists of 638 amino acids and has a calculated molecular mass of 70.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 90-100 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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 [Mus musculus]
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

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