SunLong Biotech Co.,LTD
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Recombinant Polymeric Immunoglobulin Receptor (PIGR)

Catalog Number: SIPB402Bo03 **Spec: 50ug**

Product Name	Recombinant Polymeric Immunoglobulin Receptor (PIGR)
Catalog Number	SIPB402Bo03
Organism Species	Cattle
Source	Prokaryotic expression.
Host	E. coli
Residues	Pro461~Ala560
Tags	N-terminal His-Tag
Tissue Specificity	Kidney, Intestine, Lung, Breast.
Subcellular Location	Cell membrane; Secreted. Single-pass type I membrane protein.
Purity	>92%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Original Concentration	200ug/mL
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	6.6
Predicted Molecular Mass	12.5kDa
Accurate Molecular Mass	16kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

PSLKVPKNVT AWLGEPLKLS CHFPCKFYSF EKYWCKWSNR GCSALPTQND GPSQAFVSCD QNSQVVSLNL DTVTKEDEGW YWCGVKEGPR YGETAAVYVA

[IDENTIFICATION]

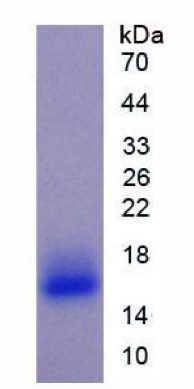


Figure 1. SDS-PAGE