SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Recombinant Polymeric Immunoglobulin Receptor (PIGR)

Catalog Number: SIPB402Ra01 **Spec: 50ug**

Product Name	Recombinant Polymeric Immunoglobulin Receptor (PIGR)
Catalog Number	SIPB402Ra01
Organism Species	Rat
Residues	Leu135~Ser237 (Accession # P15083), with N-terminal His-Tag.
Host	E. coli
Subcellular Location	Cell membrane; Secreted. Single-pass type I membrane protein.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Predicted isoelectric point	6.3
Predicted Molecular Mass	13.0kDa
Accurate Molecular Mass	17kDa as determined by SDS-PAGE reducing conditions.
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)
Note	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 sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSGSEF-LEVSQV PEFPNDTHVY TKDIGRTVTI ECRFKEGNAH SKKSLCKKRG EACEVVIDST EYVDPSYKDR AILFMKGTSR DIFYVNISHL IPSDAGLYVC QAGEGPS

[REFERENCES]

1. Banting G., et al. (1989) FEBS Lett. 254:177-183. 2. In J.G., Tuma P.L. (2010) Traffic 11:1056-1066. 3. Verges M., et al. (1999) Proc. Natl. Acad. Sci. U.S.A. 96:10146-10151. 4. Larkin J.M., et al. (2003) Hepatology 38:1199-1209.