

# Recombinant Rat IL1R1/CD121a Protein (His Tag)

RPES1364

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES1364

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 100µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Rat

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CD121 antigen-like family member A, CD121A, D2S1473, IL-1 RI, IL-1R-1, IL-1R-alpha, IL-1R1, IL-1RT-1, IL-1RT1, IL1R, IL1RA, Interleukin-1 receptor alpha, Interleukin-1 receptor type 1, P80

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Immobilized rat IL1R1-His at 10 µg/ml (100 µl/well) can bind rat Fc-IL1RN, The EC 50 of rat Fc-IL1RN is 5. 1-11.9 ng/ml.

**Calculated MW:** 38.5 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 50-60 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** NP\_037255.3

**Source:** HEK293 Cells-derived Rat IL1R1/CD121a protein Met 1-Lys 352, with an C-terminal His

**Sequence:** Met 1-Lys 352

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.