

# Recombinant Human IL1R1/CD121a Protein (Fc Tag)

RPES1697

## 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:** RPES1697

**Purity:** > 90 % as determined by reducing SDS-PAGE.

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

**Concentration:** -

**Species:** Human

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

**Synonyms:** D2S, Interleukin-1 receptor type, IL1RT, IL1-R, IL1R1, CD121A, D2S1473, IL-1R-alpha, IL1R, IL1RA, P80, CD121 antigen-like family member A, IL-1 RI, IL1-R1, IL-1R1, IL-1R-1, IL-1RT1, IL-1RT-1, Interleukin-1 receptor alpha, Interleukin-1 receptor type 1, IL1RT1, IL-1R type I, IL-1RI

**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-hFc

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** 1. Immobilized human IL1-beta at 20 µg/ml (100 µl/well) can bind human IL1R1 Fc chimera with a linear ranger of 6. 4-160 ng/ml. 2. Immobilized human IL1B-his at 10 µg/mL (100 µl/well) can bind human IL1R1-Fc. The EC50 of human IL1R1-Fc is 0.198 µg/mL.

**Calculated MW:** 63.0 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.

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

**Observed MW:** 80-90 kDa

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

**Accession:** NP\_000868.1

**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

**Source:** HEK293 Cells-derived Human IL1R1/CD121a protein Met 1-Thr 332, with an C-terminal hFc

**Sequence:** Met 1-Thr 332

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

**Form:** Lyophilized powder