

# Recombinant Human IL1R2/CD121b Protein (His Tag)

RPES1954

## 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:** RPES1954

**Purity:** > 98 % 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:** IL1R, Interleukin-1 receptor type, IL-1R, IL1R2, CD121b, CDw121b, IL-1R-2, IL-1RT-2, IL-1RT2, IL1R2c, IL1RB, CD121 antigen-like family member B, IL-1 type II receptor, IL-1R-beta, Interleukin-1 receptor beta, Interleukin-1 receptor type 2, Interleukin-1 receptor type I, IL-1R type II, IL-1RII

**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:** 1. Measured by its ability to inhibit IL1β-dependent proliferation in D10.G4. 1 mouse helper T cells. The ED50 for this effect is typically 5. 5 µg/mL in the presence of 40 pg/mL of rhIL1β. 2. Measured by its ability to inhibit Interferon gamma secretion by human natural killer lymphoma NK-92 cells in the presence of 500pg/mL IL1b. The EC50 for this effect is typically 20-80ng/mL.

**Calculated MW:** 39.3 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:** 50-55 kDa

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

**Accession:** NP\_004624.1

**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 IL1R2/CD121b protein Met 1-Glu 343, with an C-terminal His

**Sequence:** Met 1-Glu 343

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

**Form:** Lyophilized powder