

Recombinant Mouse IL1R1/CD121a Protein (His Tag)

RPES1644

Description

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

SKU: RPES1644

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

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

Concentration: -

Species: Mouse

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

Synonyms: D2S, Interleukin-1 receptor type, IL1-R, mL-1R, CD121 antigen-like family member A, CD121a, CD121b, D2S1473, IL-1 RI, IL1R, IL1r-1, IL1-R1, IL-1R-1, IL-1R-alpha, IL-1RT1, IL-1RT-1, IL-iR, Interleukin-1 receptor alpha, Interleukin-1 receptor type 1, mL-1R1, P80, IL-1r1, IL1ra, IL1r1, IL-1R type I, IL1R, Interleukin 1 receptor, interleukin 1 receptor type 1, mL-1R1, type I

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: Measured by its ability to bind mouse IL1B in a functional ELISA. Immobilized mouse IL1A at 10 µg/mL (100 µl/well) can bind mouse IL1R1, The EC50 of mouse IL1R1 is 0.13 µg/mL.

Calculated MW: 38.7 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: 55-60 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured by its ability to bind mouse IL1B in a functional ELISA. Immobilized mouse IL1A at 10 µg/mL (100 µl/well) can bind mouse IL1R1, The EC50 of mouse IL1R1 is 0.13 µg/mL. Measured by its ability to inhibit Interferon gamma secretion by human natural killer lymphoma NK-92 cells in the presence of 20 ng/mL rmlL1α. The EC50 for this effect is typically 20-80 ng/mL.

Accession: P13504

Source: HEK293 Cells-derived Mouse IL1R1/CD121a protein Met 1-Lys 338, with an C-terminal His

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

Sequence: Met 1-Lys 338

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

Form: Lyophilized powder

