

Recombinant Rat IL1R1/CD121a Protein (His &Fc Tag)

RPES1382

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: RPES1382

Purity: > 85 % 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-Fc

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 inhibit IL1α-dependent proliferation in D10.G4. 1 mouse helper T cells (Symons, J. A. et al. (1987) in Lymphokines and Interferons, a Practical Approach. Clemens, M. J. et al. (eds): IRL Press. 272.). The ED50 for this effect is typically 5-20 µg/ml in the presence of 40 pg/mL of recombinant human IL1a.

Calculated MW: 64.6 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: 90-95 kDa

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

Accession: NP_037255.3

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 Rat IL1R1/CD121a protein Met 1-Lys 352, with an C-terminal His & Fc

Sequence: Met 1-Lys 352

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

Form: Lyophilized powder