

Recombinant Human IL-1RA/IL1RN Protein

RPES0276

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: RPES0276

Purity: > 97 % as determined by reducing SDS-PAGE.

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

Concentration: -

Species: Human

Endotoxin: Please contact us for more information.

Synonyms: IL1F, MVCD, IL1RN, DIRA, ICIL-1RA, IL-1RN, IL-1ra, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4, Anakinra, IL1 inhibitor, Interleukin-1 receptor antagonist protein, F630041P17Rik, ICIL 1RA, ICIL1RA, IL1RN (IL1F3), Interleukin 1 receptor antagonist, Intracellular IL 1 receptor antagonist type II, Intracellular interleukin 1 receptor antagonist (icIL 1ra), MGC10430, Type II interleukin 1 receptor antagonist

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: None

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

Expression Host: E.coli

Bio-Activity: 1. Immobilized human IL1RA at 10 µg/ml (100 µl/well) can bind human IL1R2-Fc, The EC50 of human IL1R2-Fc is 0.04-0.1 µg/mL. 2. Immobilized human IL1RA at 10 µg/ml (100 µl/well) can bind human IL1R1-Fc, The EC50 of human IL1R1-Fc is 0.08- 0.2 µg/mL. 3. Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells in the presence of 250pg/mL IL1a. The EC50 for this effect is typically 3-12 ng/mL.

Calculated MW: 17.3 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before

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

lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 17.3 kDa

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

Accession: NP_776214.1

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: E.coli-derived Human IL-1RA/IL1RN protein Arg 26-Glu 177

Sequence: Arg 26-Glu 177

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

Form: Lyophilized powder