

Recombinant Human Interleukin-33/IL-33 Protein (His Tag)

RPES2397

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: RPES2397

Purity: > 98 % as determined by reducing SDS-PAGE.

Contents: 100µg, 20µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Synonyms: DVS, IL1F, Interleukin, C9orf, IL-1F, IL33, C9orf26, DVS27, IL1F11, NFHEV, NFEHEV, DVS27 related protein, IL-1F11, IL-33, Interleukin-1 family member 11, Interleukin-33, Nuclear factor from high endothelial venules, NFHEV, CHROMOSOME 9 OPEN READING FRAME 26, DKFZp586H0523, IL 1F11, IL 33, Interleukin 1 family member 11, Interleukin 33, INTERLEUKIN 33 NFHEV, Interleukin 33 precursor, Interleukin33, Interleukin-33 (109-270), NF HEV, Nuclear factor for high endothelial venules, OTTHUMP00000021041, RP11 575C20.2

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: E.coli

Bio-Activity: Measure by its ability to binding with recombinant ST2L (IL-33 receptor). The ED50 for this effect is <54 ng/mL. Measure by its ability to induce proliferation in D10.G4.1 cells. The ED50 for this effect is < 0.1 ng/mL. The specific activity of recombinant human IL-33 is approximately >4 x10⁷ IU/ mg.

Calculated MW: 18.9 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: 19 kDa

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

Accession: O95760

Source: E.coli-derived Human Interleukin-33, IL-33 protein Ser112-Thr 270, 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: Ser112-Thr 270

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

Form: Lyophilized powder

