

Human IL-33 recombinant protein



Catalog Number: 501288

Gene Name Synonym

Interleukin-1 family member 11; Nuclear factor from high endothelial venules; Interleukin-33 (95-270); Interleukin-33 (99-270); Interleukin-33 (109-270)

Protein Construction

A DNA sequence encoding the C-terminal segment of human IL33 (NP_254274.1) (Ser 112-Thr 270) was expressed with an initial Met at the N-terminus.

Organism

Human

Expression Host

E. coli

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human IL-33 at 10 µg/ml (100 µl/well) can bind human IL1RL1 with a linear range of 0.31-5 ng/ml.
2. Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells costimulated with antiCD3. The ED₅₀ for this effect is typically 0.15-0.6 ng/mL.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human IL33 comprises 160 amino acids and predicts a molecular mass of 18 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

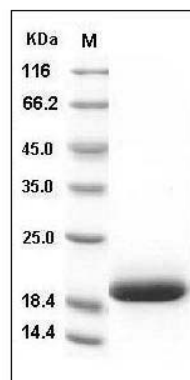
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human IL33 / Interleukin-33 / NF-HEV Protein SDS-PAGE