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Recombinant Mouse IL-33 Protein

Catalog No.: RP01802 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	77125	Q8BVZ5

Tags
C-His

Synonyms
Il-33; Il1f11; NF-HEV; 9230117N10Rik□IL33

Product Information

Source	Purification
HEK293 cells	≥ 85 % as determined by SDS-PAGE.

Calculated MW	Observed MW
18.41 kDa	20-35 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Mouse Interleukin 33 (IL-33) is a proinflammatory cytokine which may also regulates gene transcription inproducer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines andacts through the receptor IL1RL-1. BindingIL-33 to this receptor activates NF-kappa-B and MAP kinases andinduces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces the expression of IL-4, IL-5, IL-13 and alsoleads to severe pathological changes in mucosal organs.

Basic Information

Description
Recombinant Mouse IL-33 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser109-Ile266) of mouse IL33(Accession #NP_598536.2) fused with and a 6×His tag at the C-terminus.

Bio-Activity

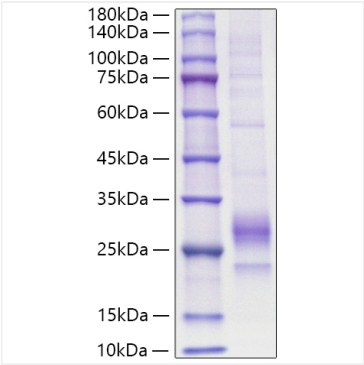
Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Mouse IL-33 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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