IL-33 Murine E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Murine
Other names: NF-HEV

Cat. No.:

RBG20033002	(2 µg)
RBG20033010	(10 µg)
RBG20033100	(100 µg)

Description

IL-33 is a proinflammatory protein that shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor, to activate NF-?B and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities. Recombinant Murine IL-33 is a 17.5 kDa protein containing 158 amino acid residues.

Research topic

Immune Response, Infection and Inflammation

Amino Acid Sequence

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SIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQDQVLL RYYESPCPAS QSGDGVDGKK LMVNMSPIKD
TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKKSSDFVS FECKNLPGTY IGVKDNQLAL VEEKDESCNN IMFKLSKI
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Source

E. coli

Purity

98%

Biological Activity

The ED_{50} was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is ? 0.5 ng/ml, corresponding to a specific activity of ? 2×10^6 units/mg.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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