

Active Recombinant Mouse Il33 Protein, His-Tagged

Cat. No. Il33-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il33 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin 33 (IL-33) is a member of the IL-1 family that potently drives production of T helper-2 (Th2)-associated cytokines (e.g., IL-4). IL33 is a ligand for ST2 (IL1RL1), an IL-1 family receptor that is highly expressed on Th2 cells, mast cells and group 2 innate lymphocytes. It is expressed by a wide variety of cell types, including fibroblasts, mast cells, dendritic cells, macrophages, osteoblasts, endothelial cells, and epithelial cells.
Form	Lyophilized powder
AA Sequence	MSIQGTSLLTQSPASLSTYNDQSVSFVLENGCYVINVDDSGKDQEQDQVLLRYYES PCPASQSGDGVGKKLMVNMSPIKDTDIWLHAND KDYSVELQRGDVSPPEQAFFVLHKKSSDFVSFECKNLPGTYIGVKDNQLALVEEKDE SCNNIMFKLSKI with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce proliferation in D10.G4.1 cells. The ED50 for this effect is <40 pg/mL. The specific activity of recombinant mouse IL-33 is > 2 x 10 ⁷ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	IL33 interleukin 33 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL33
Synonyms	IL-33; IL1f11; NF-HEV; 9230117N10Rik
Gene ID	77125
mRNA Refseq	NM_001164724.2
Protein Refseq	NP_001158196.1
UniProt ID	Q8BVZ5

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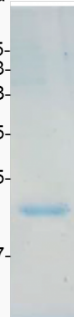
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