

Recombinant Rat Il33 protein, His-tagged

Cat. No. Il33-50R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Il33, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
Description	Il33 also known as Interleukin-33. Il33 induces production of large amounts of IL5 and IL13 by group 2 innate lymphoid cells (ILC2s), for initiation of allergic inflammation shortly after exposure to allergens or infection with parasites or viruses. Il33 appears to function as an alarmin (alarm signal) rapidly released from producing cells upon cellular damage or cellular stress.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol
Molecular Mass	19.8kDa (179aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSIQGTSL LTESCALSTY NDQSVSFVLE NGCYVINVED CGKNQEKDKV LLRYYESFP AQSGDGVGDK KLMVNMSPK DTDIWLNAND KDYSVELQKG DVSPPDQAFF VLHKKSSDFV SFECKNLPGT YIGVKDNQLA LVEENDESCN NIMFKLSKM
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name IL33 interleukin 33 [*Rattus norvegicus*]

Official Symbol IL33

Synonyms IL33; interleukin 33; interleukin-33; IL-33; RGD1311155;

Gene ID 361749

mRNA Refseq NM_001014166

Protein Refseq NP_001014188

MIM

UniProt ID

Pathway Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem;

Function cytokine activity; cytokine activity;

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