

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.
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.
Source	E. coli
Species	Rat
Tag	His
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 LTECALSTY NDQSVSFVLE NGCYVINVED CGKNQEKD KV LLRYYESSFP AQSGDGVDGK KLMVNMSPIK DTDIWL N AND KDYSVELQKG DVSPPDQAFF VLHKKSSDFV SFECKNLP GT YIGVKDNQLA LVEENDESCN NIMFKLSKM
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot 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 [<i>Rattus norvegicus</i>]
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;