

Interleukin-33 (IL-33), human recombinant

CATALOG #:	4193-10	10 µg
	4193-50	50 µg
	4193-1000	1 mg

SOURCE: *E. coli*

PURITY: > 95 % by SDS-PAGE and HPLC analyses
Endotoxin level is <0.01 ng per µg of IL-33.

FORMULATION: Sterile filtered and lyophilized from 10 mM Na₂PO₄, pH 7.5

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized human IL-33 is very stable at -20°C. Reconstituted IL-33 should be stored at working aliquots at -20°C. It is recommended to add a carrier protein (0.1 % HSA or BSA) for long term storage.

DESCRIPTION:

Interleukin 33 (IL-33) is a member of the IL-1 cytokine family and is constitutively expressed in smooth muscle cells and the airway epithelium. Recombinant human IL-33 produced from *E. coli* is a non-disulfide-linked homodimeric, non-glycosylated polypeptide chain consisting of 160 amino acids and having a total molecular mass of 18.1 kDa.

BIOLOGICAL ACTIVITY:

The activity as determined by the ability to induce proliferation of D10.G4.1 cells co-stimulated with anti-CD3 and was typically 0.06-0.24 ng/ml.

AA SEQUENCE:

MSITGISPITEYLASLSTYNDQSIITFALEDESYEIYVEDLKKDEKDKVLLSYYESQH
PSNESGDGVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFFVL
HNMHSNCVSFECKTDPGVFIGVKDNHLALI KVDSSSENLCCTENILFKLSET

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