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## Interleukin-33 C-Terminal Human, Recombinant, *E. coli* Fragment

**Cat. No.:** RCP9414      **Size:** 10µg

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**Synonym:** Interleukin 33; Nuclear factor from high endothelial venules; NFHEV, Chromosome 9 open reading frame 26; C9ORF26; Interleukin-1 family member 11; IL-1F11.

**Description:** Interleukin 33 (IL-33) is a proinflammatory cytokine belonging to the IL-1 family. IL-33 is cleaved *in vivo*, generating an N terminal and a C terminal fragment. The C terminal fragment corresponds to the mature IL-33 protein and mediates its biological effect by interacting with the IL-1 receptor, also known as ST2. Binding of mature IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces the production of associated cytokines in particular IL-4, IL-5 and IL-13 causing severe pathological changes in mucosal organs.

**RANDOX** recombinant Interleukin-33 comprises a 159 amino acid fragment (112-270) corresponding to C terminal Interleukin-33 fragment coding sequence and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:** Liquid.  
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on Western blot.

**References:** Schmitz J. *et al.* (2005), *Immunity*. **23(5)**: 479-90.