



## Interleukin-33 Rat Recombinant

<b>Item Number</b>	rAP-0516
<b>Synonyms</b>	Interleukin 33, DVS27, NF-HEV, NKHEV, C9orf26, Interleukin-1 family member 11, IL- 1F11, Nuclear factor from high endothelial venules, NFEHEV, DKFZp586H0523, RP11-575C20.2, IL-33.
<b>Description</b>	IL 33 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 156 amino acids and having a molecular mass of 17.4kDa.The IL 33 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q66H70
<b>Amino Acid Sequence</b>	SIQGTSLLTE SCALSTYNDQ SVSFVLENGC YVINVEDCGK NQEKDKVLLR YYESSFPAQS GDGVDGKCLM VNMSPKDTD IWLNANDKDY SVELQKGDVS PPDQAFFVLH KKSSDFVSFE CKNLPPTYIG VKDNQLALVE ENDESCNNIM FKLSKM
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-33 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-33 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL-33 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is <math>0.5\text{ng/ml}</math>, corresponding to a specific activity of >math>2,000,000\text{units/mg}</math>.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**