



Interleukin-33 Mouse Recombinant

Item Number	rAP-0632
Synonyms	Interleukin 33, DVS27, NF-HEV, NKHEV, C9orf26, Interleukin-1 family member 11, IL- 1F11, Nuclear factor from high endothelial venules, Il-33, Il1f11, 9230117N10Rik, Il33.
Description	Interleukin33 Mouse recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 158 amino acids and having a molecular mass of 17.5 kDa.
Uniprot Accesion Number	Q8BVZ5
Amino Acid Sequence	SIQGTSLLTQ SPASLSTYND QSVSFVLENG CYVINVDDSG KDQEQDQVLL RYYESPCPAS QSGDGVGK LVMNMSPIKD TDIWLHANDK DYSVELQRGD VSPPEQAFFV LHKKSSDFVS FECK- NLPGTY IGVKDNQLAL VEEKDESCNN IMFKLSKI.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-33 Recombinant 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.
Formulation and Purity	The Mouse IL-33 was lyophilized from a concentrated (1mg/ml) solution containing 20mM Phosphate buffer pH-7.4, 150mM sodium chloride, 1mM EDTA and 2mM b-ME. Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-33 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as 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 2,000,000 units/mg.
Shipping Format and Condition	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**