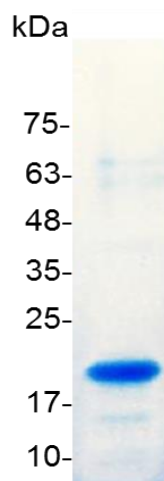


PRODUCT INFORMATION  
**IL-33 (Interleukin-33), Human**

<b>Catalog number</b>	C01039-5UG / C01039-20UG / C01039-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Interleukin 33 (IL-33) is a member of the IL-1 family that potently drives production of T helper-2 (Th2)-associated cytokines (e.g., IL-4). IL33 is a ligand for ST2 (IL1RL1), an IL-1 family receptor that is highly expressed on Th2 cells, mast cells and group 2 innate lymphocytes. It is expressed by a wide variety of cell types, including fibroblasts, mast cells, dendritic cells, macrophages, osteoblasts, endothelial cells, and epithelial cells.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MSITGISPITEYLASLSTYNDQSITFALEDESYEIYVEDLKKDEKKDKVLLSYYESQ HPSNESGDGVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFFV LHNMHSNCVSFECKTDPGVFIGVKDNHLALIKVDSSENLCTENILFKLSET with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to binding with recombinant ST2L (IL-33 receptor). The ED <sub>50</sub> for this effect is <54 ng/mL. Measure by its ability to induce proliferation in D10.G4.1 cells. The ED <sub>50</sub> for this effect is <0.1 ng/mL. The specific activity of recombinant human IL-33 is approximately >4 x10 <sup>7</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human IL-33

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