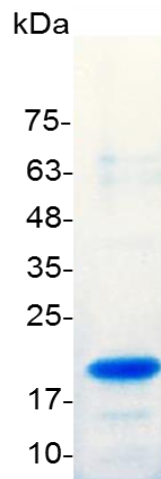


Catalog number	C01039-5UG / C01039-20UG / C01039-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 33 (IL-33) is a member of the IL-1 family that potently drives production of T helper-2 (Th2)-associated cytokines (e.g., IL-4). IL33 is a ligand for ST2 (IL1RL1), an IL-1 family receptor that 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.
Source	<i>Escherichia coli</i>
Sequence	MSITGISPITEYLASLSTYNDQSITFALEDESYEIYVEDLKKDEKDKVLLSYYES QHPSNESGDGVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFF VLHNMHSNCVSFECKTDPGVFIGVKDNHLALIKVDSSENLCTENILFKLSET with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to binding with recombinant ST2L (IL-33 receptor). The ED ₅₀ for this effect is <54 ng/mL. Measure by its ability to induce proliferation in D10.G4.1 cells. The ED ₅₀ for this effect is <0.1 ng/mL. The specific activity of recombinant human IL-33 is approximately >4 x10 ⁷ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human IL-33

For research use only.