

IL-33/IL-1F11, Human, Recombinant**Cat. No. : GPCK191****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MSITGISPITEYLASLSTYNDQSITFALEDESYEIYVEDLKKDEKKDKVLLSYYESQHPSNESGD GVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFFVLHNMHSNCVSFECKTDP GVFIGVKDNHLALIKVDSSENLCTENILFKLSET with polyhistidine tag at the C-terminus.
检索号	O95760.1
标签	His-tag at the C-terminus
分子量	18.93 kDa
有效期	12 months
生物活性	Measure by its ability to binding with recombinant ST2L (IL-33 receptor). The ED50 for this effect is < 54 ng/mL. Measure by its ability to induce proliferation in D10.G4.1 cells. The ED50 for this effect is < 0.1 ng/mL. The specific activity of recombinant human IL-33 is approximately > 4 × 10 ⁷ IU/mg.

产品特性

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

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.

