

IL-25 (C-6His), Human, Recombinant

货号 : PCK188

产品信息

别名	Interleukin-25; IL-25; Interleukin-17E; IL-17E; IL25; IL17E
物种	Human
表达宿主	Human Cells
序列信息	Tyr33-Gly177
检索号	Q9H293
分子量	17.8 kDa
标签	C-6His

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per µg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl 1mM EDTA, pH8.0.



复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Interleukin 25 (IL-25) belongs to the Interleukin 17 (IL-17) family of Proteins, which is comprised of six members (IL-17, IL-17B through IL-17F). These Proteins are secreted and are structurally related by sharing a conserved cysteine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. With the exception of IL-17B, which exists as a non-covalently linked dimer, all IL-17 family members are disulfide-linked dimers. IL-17 family Proteins are pro-inflammatory Cytokines that induce local Cytokine production and are involved in the regulation of immune functions. Human Interleukin-17E (IL17E), also referred to as Interleukin-25 (IL25), is a distinct member of the IL17 Cytokine family comprised of at least six members sharing a conserved cysteine-knot structure but divergent at the N-terminus. IL25 is a glyco Protein secreted as dimers by innate effector eosinophils and basophils, and present at very low levels in various peripheral tissues. IL25, together with IL17B, are Ligands for the Cytokine Receptor IL17BR, and the cross-linking induces NF-κB activation and production of the proinflammatory Chemokine IL-8, as well as ERK, JNK, and p38 activation. Overexpression of IL25 gene in transgenic mice suggested that this Cytokine can regulate hematopoietic and immune functions, and additionally is identified as a proinflammatory Cytokine favoring Th2-type immune responses possibly by enhancing the maintenance and functions of adaptive Th2 memory cells.

SDS-PAGE

