Datasheet for ABIN988077

IL-33 Protein

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Overview

Quantity:	10 µg
Target:	IL-33 (IL33)
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	MSITGISPIT EYLASLSTYN DQSITFALED ESYEIYVEDL KKDEKKDKVL LSYYESQHPS NESGDGVDGK MLMVTLSPTK DFWLHANNKE HSVELHKCEK PLPDQAFFVL HNMHSNCVSF ECKTDPGVFI GVKDNHLALI KVDSSENLCT ENILFKLSE
Characteristics:	Fully biologically active when compared to standard. The ED50 as determined by the dose-dependent stimulation of the proliferation of murine D10S cells is ≤0.05ng/ml, corresponding to a specific activity of ≥2.0×107units/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuIL-33 as determined by LAL method

Target Details

Target:	IL-33 (IL33)
Alternative Name:	Interleukin-33 (IL-33) (IL33 Products)
Background:	IL33, also known as NFHEV and DVS 27, is a 30 kDa proinflammatory protein that may also regulate gene transcription. IL33 is constitutively expressed in smooth muscle and airway

Target Details

	epithelia. It is upregulated in arterial smooth muscle, dermal fibroblasts, and keratinocytes following IL1ª or IL1beta stimulation. IL-33 shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor activating NF-kappaB and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities. Synonym: Interleukin-33 (IL-33), Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.
Molecular Weight:	Approximately 17.9 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.
Storage:	4 °C