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Datasheet for ABIN7505401
IL-33 Protein (AA 109-266) (His tag)

Overview

Quantity:	100 µg
Target:	IL-33 (IL33)
Protein Characteristics:	AA 109-266
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-33 protein is labelled with His tag.

Product Details

Sequence:	Ser 109-Ile 266
Characteristics:	A DNA sequence encoding the Mouse IL-33 protein (Q8BVZ5) (Ser 109-Ile 266) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 (IL33 Products)
Background:	Abbreviation: IL-33 Target Synonym: Interleukin 33,IL-33,IL33,C9orf26,NKHEV,Interleukin-1 family member 11,DVS27,NF-HEV and IL- 1F11 Background: Mouse Interleukin 33 (IL-33) is a 30 kDa proinflammatory cytokine which may also

Target Details

regulates gene transcription in producer cells. IL-33 is constitutively expressed in smooth muscle and airway epithelia. IL-33 was identified based on sequence and structural homology with IL-1 family cytokines. It is up-regulated in arterial smooth muscle, dermal fibroblasts, and keratinocytes following IL-1 alpha or IL-1 beta stimulation. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL1. Binding IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces the expression of IL-4, IL-5, IL-13 and also leads to severe pathological changes in mucosal organs.

Molecular Weight: Calculated MW: 17.27 kDa
Observed MW: 28 kDa

UniProt: [Q8BVZ5](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months