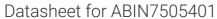
# antibodies -online.com





# 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 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

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 IL1RL-1. BindingIL-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

Q8BVZ5

Observed MW: 28 kDa

Pathways:

UniProt:

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