

## Product datasheet for **AR51680PU-S**

### Interleukin-33 (IL33) (109-266, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-33 (IL33) (109-266, His-tag) mouse recombinant protein, 50 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSIQGTSL LTQSPASLST YNDQSVSVFL ENGCYVINVD DSGKDQEQDQ VLLRYYESPC PASQSGDGVD GKMLMVNMSP IKDTDIWLHA NDKDYSVELQ RGDVSPPEQA FVLHKKSSD FVSFECKNLP GTYIGVKDNQ LALVEEKDES CNNIMFKLSK I
Tag:	His-tag
Predicted MW:	18.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline, 10% glycerol, 1 mM DTT
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse IL33 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001158196</a>
Locus ID:	77125
UniProt ID:	<a href="#">Q8BVZ5</a>
Cytogenetics:	19 C1
Synonyms:	9230117N10Rik; Il-33; Il1f11; NF-HEV



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**Summary:**

Cytokine that binds to and signals through the IL1RL1/ST2 receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells. Involved in the maturation of Th2 cells inducing the secretion of T-helper type 2-associated cytokines. Also involved in activation of mast cells, basophils, eosinophils and natural killer cells. Acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury.[UniProtKB/Swiss-Prot Function]

**Product images:**