Recombinant Mouse Il33 Protein, His-tagged

Cat. No. Il33-1679M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il33 Protein (Met1-Ile266) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ile266
Description	Enables cytokine activity and interleukin-33 receptor binding activity. Involved in several processes, including interleukin-33-mediated signaling pathway; microglial cell activation involved in immune response; and regulation of gene expression. Acts upstream of or within several processes, including negative regulation of macrophage proliferation; positive regulation of cellular defense response; and positive regulation of macromolecule metabolic process. Located in nucleus. Is expressed in several structures, including adrenal gland; alimentary system; genitourinary system; nervous system; and sensory organ. Used to study Alzheimer's disease. Human ortholog(s) of this gene implicated in candidiasis; inflammatory bowel disease; and peptic ulcer disease. Orthologous to human IL33 (interleukin 33).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.7 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Il33 interleukin 33 [Mus musculus (house mouse)]
Official Symbol	Il33
Synonyms	IL33; interleukin 33; interleukin-33; nuclear factor from high endothelial venules; Il-33; Il1f11; NF-HEV; 9230117N10Rik;
Gene ID	77125
mRNA Refseq	NM_001164724
Protein Refseq	NP_001158196
UniProt ID	Q8BVZ5

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