

Product datasheet for **TP721008M**

IL33 (NM_001164724) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 33 (IL33), transcript variant 1
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ser109-Ile266
Tag:	Tag Free
Predicted MW:	17.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001158196
Locus ID:	77125
UniProt ID:	Q8BVZ5
RefSeq Size:	2555
Cytogenetics:	19 C1
RefSeq ORF:	801
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]