

## Product datasheet for **TP723779**

### **IL33 (NM\_133775) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse interleukin 33 (IL33), transcript variant 2
<b>Species:</b>	Mouse
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Mouse IL-33, the region of Ser109-Ile266, from gene Accession# NM_133775
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	17.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>98%, as determined by Coomassie stained SDS-PAGE.
<b>Buffer:</b>	20 mM HEPES, 150 mM NaCl, pH 7.2, 10 mM TCEP
<b>Endotoxin:</b>	Less than 0.1 EU/μg (<0.01 ng/μg) protein as determined by the LAL method
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_598536</a>
<b>Locus ID:</b>	77125
<b>UniProt ID:</b>	<a href="#">Q8BVZ5</a>
<b>RefSeq Size:</b>	2534
<b>Cytogenetics:</b>	19 C1
<b>RefSeq ORF:</b>	798
<b>Synonyms:</b>	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:**