

## Product datasheet for **TP721008XL**

### **IL33 (NM\_001164724) Mouse Recombinant Protein**

#### **Product data:**

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