

Product datasheet for **MC200369**

Il33 (BC003847) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il33 (BC003847) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il33
Synonyms:	NF-HEV, Il-33, Il1f11
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003847
 GAGAAATCACGGCAGAATCATCGAGAAACCTGAAAAATGAGACCTAGAATGAAGTATTCCTCAACTCCAAGA
 TTTCCCGGCAAAGTTCAGCAGCACCGCAGGCGAAGCCCTGGTCCCGCCTTGCAAATAAGAAGATCCCA
 ACAGAAGACCAAAGAATTCTGCCATGTCTACTGCATGAGACTCCGTTCTGGCCTCACCATAAGAAAGGAG
 ACTAGTTATTTTAGGAAAGAACCACGAAAAGATTTCACTAAAAATCGGGTACCAAGCATGAAGAGAAT
 TCTCTGCCTATCCACGGGATTCTAGGAAGAGATCCTTGGCTTGGCAGTATCCAAGCATTGCTGCGTCTGT
 TGACACATTGAGCATCCAAGGAACCTTCACTTTAACACAGTCTCCTGCCTCCCTGAGTACATACAATGAC
 CAATCTGTTAGTTTTGTTTTGGAGAATGGATGTTATGTGATCAATGTTGACGACTCTGGAAAAGACCAAG
 AGCAAGACCAGGTGCTACTACGCTACTATGAGTCTCCCTGTCTGCAAGTCAATCAGGCGACGGTGTGGA
 TGGGAAGAAGGTGATGGTGAACATGAGTCCCATCAAAGACACAGACATCTGGCTGCATGCCAACGACAAG
 GACTACTCCGTGGAGCTTCAAAGGGGTGACGTCTCGCCTCCGGAACAGGCCTTCTTCGCTTTCACAAAA
 AGTCTCGGACTTTGTTTCATTTGAATGCAAGAATCTTCTGGCCTTACATAGGAGTAAAAAGATAACCA
 GCTGGCTCTAGTGGAGGAGAAAGATGAGAGCTGCAACAATATTATGTTTAAAGCTCTCGAAAATCTAATGC
 AGTAAAACGCCTGTGCGTCTGGGTTGAATGACTTAATGCTTCCAACCTGAAGAAAGGGAACAGAGAGAA
 AGAAAGCCATTCTGGCTTACGATGTTGTGAATGTTATTATGTAGAAAACCTCTTTTATTTCTTTTCT
 TCAGCTACATGTTCAATAGACTCACAGATATATGACTTACGGCGTTGGTAAAGAACTGAAGGAGATTCA
 GCCTTGCTCTTTCTTTCTCTGCTTGTAGTCTGTATGAAATCACACTCACGGACTTCAGAAGAGCAGG
 CACCACAGTGCATGGTTTGTCTTAGAGAGGGTCCATTTCAAAAACCTTCATAAAAACAATGCAAAAACAAG
 AAAACAACCGAACAAAAAACCACTATTTCTGGTTCTAAACAAATGATTGTAATACTAGAGCAGTTAG
 TGGGAGGACCAGCTAGGGGGAGGATCACCTAGGGGAGGACCAGCTAGGGGGAGGACCAGCTGCTGCAAAAG
 ACTGACTGTTTCTCACTTATAATAAAATGCCAAATGCCTCCGAGATGCCCCAGGCAACCCTCAGATCAG
 CCCTTTCTGTGAAGAGTGGCGTTACCTGTGCTTGTCTTCTTAACTTCCAATTTTCTCTTTTAAACA
 CATTAAACATTTAACTTTAAGCAAGCCAGCTTACATTAGGAAGTAAAAGACATTTTAGTTCCACCCCGTG
 ATTGAAATCATTGACTATATCTAACAAGCTTAAAGTCTCCTGTAAGAAGTATCAGGATATACACTAGGA
 CATGCCAATAGAATGGGATCTCATGGTGCAGTCTGAAGCCCTCCAACCTGGAGAGACGCTAACATCATCCT
 TCTCGCTGATTTCCAAGGAGCTATGACTTTGGATGCATGCATCTGCTTGGATGAGATGTCTCGGCTGCTT
 GCTTTCTTATGCACACGTTCTGTTTCTGCTTACAGCAGCAATGCTCACGGTGGAAATAGCTTAGCTTAGC
 TTCTGCCCTTCTTTGGTTCTTTTGACCACCATATCCGTAAACGGCTCTCCTACTCCCTCAGCTTTCTTTC
 TCTTTGCTCTGACGTCTATATGCCAACACACTATTCCACTGTCTTACCCTGCACTGCAGAAATTTTACA
 TCTACCTACTGGTTACCAGTTTGTCCCCTGAACAACCTTCTTTGTGTTTTACTGTTATTTAAGTAGTAA
 TATTTGTATTCAACCATGTAGTAATATTTAAGCCACTAAAGGAATAGTTTTACTTATTTAGACAACAGC
 AATTTCTACTACATTTTATAAGCTTAAACTTACATGTTTTAAACTTAAACGATAAAGACAATAACA
 ACATTGATGGAGTATGATATGACAGTTCAGAAAGGGTTAGCTCTTATCTTCCAGTCGAGGAAACCTATTG
 TATACAATAGCTGGAGGAATGTATGATCAAAGAGGCCGGGAACCGCGTGTAGGATCGTACGGCTGTAAC
 AGGTATAATTGTTTCATTAATTTGTACAGTCTTACTGTAGAGGAATGTAAGGGCGGAATCTGCGTCATT
 CCTCTGGAAACCACAGTGTGACTCTGTGAATCTGTACGATATCTTTAAAGTAGTAACTACGTAGTCAAA
 TGTGTTCTTGACGTTGTTTCAACTTTGAATAAACCTTTTCAAACCACGTGTGACCACAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003847

Insert Size: 801 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC003847](#), [AAH03847](#)

RefSeq Size: 2526 bp

RefSeq ORF: 801 bp

Locus ID: 77125

Cytogenetics: 19 C1

Gene 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]