

## Product datasheet for **SC100114**

### IL33 (NM\_033439) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL33 (NM_033439) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL33
Synonyms:	C9orf26; DVS27; IL1F11; NF-HEV; NFEHEV
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100114 sequence for NM_033439 edited (data generated by NextGen Sequencing)

```

ATGAAGCCTAAAATGAAGTATTCAACCAACAAAATTTCCACAGCAAAGTGAAGAACACA
GCAAGCAAAGCCTTGTGTTTCAAGCTGGGAAAATCCCAACAGAAGGCCAAAGAAGTTTGC
CCCATGTACTTTATGAAGCTCCGCTCTGGCCTTATGATAAAAAAGGAGGCCTGTTACTTT
AGGAGAGAAACCACAAAAGGCCTTCACTGAAAACAGGTAGAAAGCACAAAAGACATCTG
GTACTCGCTGCCTGTCAACAGCAGTCTACTGTGGAGTGCCTTGCCTTTGGTATATCAGGG
GTCCAGAAATATACTAGAGCACTTCATGATTCAAGTATCACAGGAATTTACCTATTACA
GAGTATCTTGCTTCTCTAAGCACATAAATGATCAATCCATTACTTTTGCCTTGGAGGAT
GAAAGTTATGAGATATATGTTGAAGACTTGAAAAAAGATGAAAAGAAAGATAAGGTGTTA
CTGAGTTACTATGAGTCTCAACCCCCTCAAATGAATCAGGTGACGGTGTGATGGTAAG
ATGTTAATGGTAACCCCTGAGTCCTACAAAAGACTTCTGGTTGCATGCCAACAAACAAGGAA
CACTCTGTGGAGCTCCATAAGTGTGAAAAACCACTGCCAGACCAGGCCTTCTTTGCCTT
CATAATATGCACTCCAACCTGTGTTTCAATTTGAATGCAAGACTGATCCTGGAGTGTTTATA
GGTGTAAGGATAATCATCTTGCTCTGATTAAGTAGACTCTTCTGAGAAATTTGTGTACT
GAAAATATCTTGTTAAGCTCTCTGAACTTAG

```

Clone variation with respect to NM\_033439.3



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_033439 unedited  
 TATTTTGTAAATACGACTCACTATAGGGNCGCGCCGCGCAATTCGGCACGAGGGCACGAGG  
 CAGGGAAGAAATCAAACAGACACAAGATACTGAAAATGAAGCCTAAAAATGAAGTATTCAA  
 CCAACAAAATTTCCACAGTCAAAGTGGCAAGAACACAGCAAGCAAAGCCTTGTGTTTCAA  
 GCTGGGCAAAAATCCCAACAGAAGGCCAAAGAAGTTTGGCCCATGTACTTTATGAAGCTCC  
 GCTCTGGCCTTATGATAAAAAAGGAGGCCTGTTACTTTAGGAGAGAAAACCAAAAAGGC  
 CTTGCTGAAAAACAGGTACAAAGCACAAAAGACATCTGGTACTCGCTGCCTGTCAACAGC  
 AGTCTACTGTGGAGTGCTTTGCCTTTGGTATATCAGGGGTCCAGAAATATACTAGAGCAC  
 TTCATGATTCAAGTATCACAGGAATTTACCTATTACAGAGCATCTTGCTTCTCTAAGCA  
 CATACAATGATCAATCCATTACTTTTGCTTTGGAGGATGAAAAGTTATGAGATATATGTTG  
 AAGACTTGAAAAAAGATGAAAAGAAAGATAAGGCGCCACTGAGCTACTATGAGTCTCAAC  
 ACCCCCTCAAATGAAATAGGTGACGGTGTGATGGTAAGATAGTAATGGTAACCCTTGAG  
 TCCTACAACAGACCTCTGGTTGCATGCCAACACAAGGAAACACTCTGTGGGAGCTTCT  
 AAGTTGTGAAAAACCACTGTCCACACACAGCCCTTCTTTGTACCTTTATAATATGCACC  
 TCCAACGTGTTTCATTTGCATGCACGACTGATCCCTGCACGGTCAAAGGTGTAAGGA  
 TTATCACTCTTGCTCCGACCAAAGCACACCCTTCTTGAGAACTCGGGGCCAGAAAAAA  
 CCTTGTGTTGAACCCCTCTTGAACATAACTGCGAGGACACCTGGGAGTCTTGGGTTGAGTAC  
 CCAATGCTCCCCCTCGGAAAGACATCAAGAATAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_033439 unedited  
 TTAGCTTTGNACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGAAAA  
 TATACTTTATTCAATAATAAACAATGTAGATATATTTGATTATTTAATAATCATTTTA  
 AGTTTATTGCACAGATGCACATGTCAATAATTAGTGTTTTTTCAGATGGGATGATATACAT  
 TCTGCTTTTATTTTATCTCTTTGGTAACAATTATTGACAGAACAATGAAACAAAGATAA  
 ATTGTTTTACAGTTGTAATACCCTTGTATGGTAATTCTCAGCCTCTTTTATCTTATATTC  
 TACTAGCACTTACATCTAATAGGTCTCAATAAAGTAGAAATGTAAGATATGATTTTTCA  
 GAAAAGGTCATATTTCAAAAGATTCTGTTACTATGTTAGTCATTTATCATAAGTGTTAA  
 GTCTAAGAAAAGTTGTAATAGAAATTGCTAAGACTTTAAAATAAAAACTACTCCTTTAGT  
 AGTTAAAAAATGTTATTATATGGTTGAGTATAAATTTTATTGCCCTAGTGACAGTAAAAA  
 AAAAAACGTTTAGCAAAAAAATATTGCCATTAATAGCTTTATCTAAAATTCTACAACAG  
 ACAAAGCAGAATAAACGTTTTGGCATCCAGAGGTCAGGTGATACAGAAATGAAGTTCAGC  
 AGGTGCAAAAGATATATCAAGGGCATGGTAGTTAAAAGAAATGAAAAGAGACAGATGTCA  
 AATGAATATTCCACAGTAAGCAGTGTTATCAGGAAGCTGGAATACAAAAAGACTTGTGCA  
 CATGGAATAAAGGATTAGAAAGCACTTTTGCCCAATGTNGACAGTGAGTATTTAAAGA  
 CATANGTCCCTGGAAGCCCGGTCANAAGGNATGGTANGCCATGGACATGAGGNACAGTC  
 CAGTACTGAAANTTTAATGTNATCCGNGTCTCATCTAGGCTCTGGTAGTTAAAAGATTN  
 CTGCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_033439

**Insert Size:**

2630 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_033439.2</a> , <a href="#">NP_254274.1</a>
<b>RefSeq Size:</b>	2644 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	90865
<b>UniProt ID:</b>	<a href="#">O95760</a>
<b>Cytogenetics:</b>	9p24.1
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Cytosolic DNA-sensing pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2 receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a, also known as 1). Variants 1, 4, and 5 all encode the same isoform (a).</p>