

## Product datasheet for **RG207989**

### IL33 (NM\_033439) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL33 (NM_033439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL33
Synonyms:	C9orf26; DVS27; IL1F11; NF-HEV; NFEHEV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207989 representing NM_033439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCTAAAATGAAGTATTCAACCAACAAAATTTCCACAGCAAAGTGAAGAACACAGCAAGCAAAG  
CCTTGTGTTTCAAGCTGGGAAAATCCCAACAGAAGGCCAAAGAAGTTTGCCCATGTACTTTATGAAGCT  
CCGCTCTGGCCTTATGATAAAAAAGGAGGCCTGTTACTTTAGGAGAGAAACCACAAAAGGCCTTCACTG  
AAAACAGGTAGAAAGCACAAAAGACATCTGGTACTCGCTGCCTGTCAACAGCAGTCTACTGTGGAGTGCT  
TTGCCTTTGGTATATCAGGGTCCAGAAATATACTAGAGCACTTCATGATTCAAGTATCACAGGAATTTT  
ACCTATTACAGAGTATCTTGCTTCTAAGCACATACAATGATCAATCCATTACTTTTGCTTTGGAGGAT  
GAAAGTTATGAGATATATGTTGAAGACTTGAAAAAAGATGAAAAGAAAGATAAGGTGTTACTGAGTTACT  
ATGAGTCTCAACACCCCTCAAATGAATCAGGTGACGGTGTGATGGTAAGATGTTAATGGTAACCCCTGAG  
TCCTACAAAAGACTTCTGGTTGCATGCCAACACAAGGAACACTCTGTGGAGCTCCATAAGTGTGAAAAA  
CCACTGCCAGACCAGGCCTTCTTTGCTTCATAATATGCACTCCAACCTGTGTTTCATTTGAATGCAAGA  
CTGATCCTGGAGTGTATAGGTGTAAGGATAATCATCTTGCTCTGATTAAAGTAGACTCTTCTGAGAA  
TTTGTGTAAGTAAAATATCTTGTGTTAAGCTCTCTGAAACT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207989 representing NM\_033439  
Red=Cloning site Green=Tags(s)

MKPKMKYSTNKISTAKWKNTASKALCFKLGKSQQAKEVCPMYFMKLRSGLMIKKEACYFRRETTKRPSL  
 KTGRKHKRHLVLAACQQQSTVECFAGFISGVQKYTRALHDSSITGISPITEYLASLSTYNDQSITFALED  
 ESYEIYVEDLKKDEKKDKVLLSYESQHPNSNEGSDGVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEK  
 PLPDQAFFVLHNMHSNCVSFECKTDPGVFIGVKDNHLALIKVDSSENLCTENILFKLSET

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033439

**ORF Size:** 810 bp

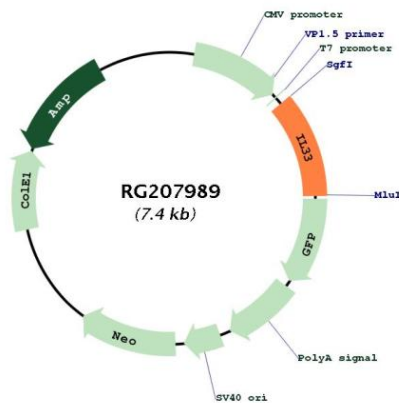
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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:** [NM\\_033439.4](#)
- RefSeq Size:** 2644 bp
- RefSeq ORF:** 813 bp
- Locus ID:** 90865
- UniProt ID:** [O95760](#)
- Cytogenetics:** 9p24.1
- Protein Families:** Secreted Protein
- Protein Pathways:** Cytosolic DNA-sensing pathway
- Gene Summary:** 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]

**Product images:**



Circular map for RG207989