

## Product datasheet for **MC209982**

### Il1f5 (NM\_001146088) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il1f5 (NM\_001146088) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Il1f5  
**Synonyms:** AI413231; Fil1 delta; Il-1h3; IL-36Ra; Il1hy1; IL36RN  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209982 representing NM\_001146088  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGGTTCTGAGTGGGGCACTATGCTCCGAATGAAGGATTCAGCCTTGAAGGTACTGTATCTGCACA  
ATAACCAGCTGCTGGCTGGAGACTGCACGCAGAGAAGGTCATTAAGGTGAGGAGATCAGTGTTCGCC  
AAATCGGGCACTGGATGCCAGTCTGTCCCCTGTCATCCTGGGCGTTCAAGGAGGAAGCCAGTGCCTATCT  
TGTGGGACAGAGAAAGGGCCAATTCTGAAACTTGAGCCAGTGAACATCATGGAGCTCTACCTCGGGGCCA  
AGGAATCAAAGAGCTTACCTTCTACCGCGGGATATGGGTCTTACCTCCAGCTTCGAATCCGCTGCCTA  
CCCAGGCTGGTTCCTCTGCACCTCACCGGAAGCTGACCAGCCTGTGAGGCTCACTCAGATCCCTGAGGAC  
CCCGCCTGGGATGCTCCCATCACAGACTTCTACTTTCAGCAGTGTGACT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001146088  
**Insert Size:** 471 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).



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<b>Components:</b>	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).
<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>	<u>NM_001146088.1, NP_001139560.1</u>
<b>RefSeq Size:</b>	1722 bp
<b>RefSeq ORF:</b>	471 bp
<b>Locus ID:</b>	54450
<b>UniProt ID:</b>	<u>Q9QYY1</u>
<b>Cytogenetics:</b>	2 16.31 cM
<b>Gene Summary:</b>	<p>Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2/IL-36R and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens. May activate an anti-inflammatory signaling pathway by recruiting SIGIRR.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>