

Product datasheet for **MG219404**

Il1f5 (NM_001146087) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il1f5 (NM_001146087) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Il1f5
Synonyms: AI413231; Fil1 delta; Il-1h3; IL-36Ra; Il1hy1; IL36RN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219404 representing NM_001146087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTCTGAGTGGGCACTATGCTTCCGAATGAAGGATTCAGCCTTGAAGGACTGTATCTGCACAATA
 ACCAGCTGCTGGCTGGAGGACTGCACGCAGAGAAGGTCATTAAGGTGAGGAGATCAGTGTGTCCCAA
 TCGGGCACTGGATGCCAGTCTGTCCCCTGTCATCCTGGCGTTCAAGGAGGAAGCCAGTGCCTATCTTGT
 GGGACAGAGAAAGGCCAATTCTGAAACTTGAGCCAGTGAACATCATGGAGCTCTACCTCGGGCCAAGG
 AATCAAAGAGCTTACCTTCTACCGCGGGATATGGGTCTTACCTCCAGCTTCAATCCGCTGCCTACCC
 AGGCTGGTTCTCTGCACCTCACCGAAGCTGACCAGCCTGTGAGGCTCACTCAGATCCCTGAGGACCC
 GCCTGGGATGCTCCCATCACAGACTTCTACTTTCAGCAGTGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219404 representing NM_001146087
 Red=Cloning site Green=Tags(s)

MVLSGALCFRMKDSALKVLYLHNNQLLAGLHAEKVIKGEESVVPNRALDASLSPVILGVQGGSQLSC
 GTEKGPILKLEPVNIMELYLGAKESKSFYRRDMGLTSSFESAAYPGWFLCTSPEADQPVRTQIPEDP
 AWDAPITDFYFQQCD

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3088_e09.zip

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_001146087

ORF Size: 465 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 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_001146087.1](#), [NP_001139559.1](#)

RefSeq Size: 1848 bp

RefSeq ORF: 471 bp

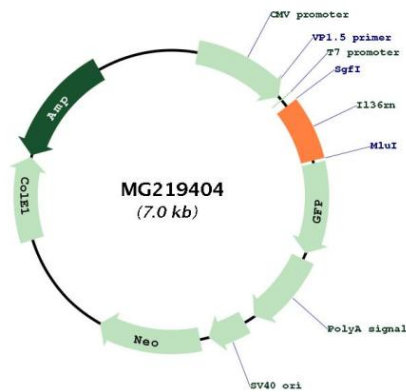
Locus ID: 54450

UniProt ID: [Q9QYY1](#)

Cytogenetics: 2 16.31 cM

Gene Summary: 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]

Product images:



Circular map for MG219404