OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC214634

Ifnl3 (NM_177396) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifnl3 (NM_177396) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ifnl3
Synonyms:	IFL-1; IL-28B; Il28; Il28b; INF-alpha; INF-lambda
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214634 representing NM_177396 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTCCTCCTGCTGTTGCCTCTGCTGCTGGCCGCAGTGCTGACAAGAACCCAAGCTGACCCTGTCCCCA GGGCCACCAGGCTCCCAGTGGAAGCAAAGGATTGCCACATTGCTCAGTTCAAGTCTCTGTCCCCAAAAGA GCTGCAGGCCTTCAAAAAGGCCAAGGGTGCCATCGAGAAGAGGCTGCTTGAGAAGGACATGAGGTGCAGT TCCCACCTCATCTCCAGGGCCTGGGACCTGAAGCAGCTGCAGGTCCAAGAGCGCCCCAAGGCCTTGCAGG CTGAGGTGGCCCTGACCCTGAAGGTCTGGGAGAACATAAATGACTCAGCCCTGACCACCATCCTGGGCCA GCCTCTTCATACACTGAGCCACATTCACTCCCAGCTGCAGACCTGTACACAGCTTCAGGCCACAGCAGAG CCCAAGCCCCCGAGTCGCCGCCTCTCCCGCTGGCTGCACAGGCTCCAGGAGGCCCAGAGCAAGGAGACTC CTGGCTGCCTGGAGGACTCTGTCACCTCCAACCTGTTTCAACTGCTCCTCCGGGACCTCAAGTGTGTGGC CAGTGGAGACCAGTGTGTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja2034_d11.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_177396
Insert Size:	582 bp

View online »

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

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_177396.1, NP_796370.1

RefSeq Size: 582 bp

RefSeq ORF: 582 bp

Locus ID: 338374

UniProt ID: Q8CGK6

Cytogenetics: 7 A3

Gene Summary: Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.[UniProtKB/Swiss-Prot Function]