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 MC214588

Ifnl2 (NM_001024673) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifnl2 (NM_001024673) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ifnl2
Synonyms:	EG330496; IL-28A; Il28a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC214588 representing NM_001024673
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCTCCTGCTGTTGCCTCTGCTGCTGGCCGCAGTGCTGACAAGAACCCAAGCTGACCCTGTCCCCA
GGGCCACCAGGCTCCCAGTGGAAGCAAAGGATTGCCACATTGCTCAGTTCAAGTCTCTGTCCCCAAAAGA
GCTGCAGGCCTTCAAAAAGGCCAAGGATGCCATCGAGAAGAGGCTGCTTGAGAAGGACCTGAGGTGCAGT
TCCCACCTCTTCCCCAGGGCCTGGGACCTGAAGCAGCTGCAGGTCCAAGAGCGCCCCAAGGCCTTGCAGG
CTGAGGTGGCCCTGACCCTGAAGGTCTGGGAGAACATGACTGACTCAGCCCTGGCCACCATCCTGGGCCA
GCCTCTTCATACACTGAGCCACATTCACTCCCAGCTGCAGACCTGTACACAGCTTCAGGCCACAGCAGAG
CCCAGGTCCCCGAGCCGCCGCCTCTCCCGCTGGCTGCACAGGCTCCAGGAGGCCCAGAGCAAGGAGACCC
CTGGCTGCCTGGAGGCCTCTGTCACCTCCAACCTGTTTCGCCTGCTCACCCGGGACCTCAAGTGTGTGGC
CAATGGAGACCAGTGTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001024673
Insert Size:	582 bp

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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).
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_001024673.2, NP_001019844.2
RefSeq Size:	582 bp
RefSeq ORF:	582 bp
Locus ID:	330496
UniProt ID:	Q4VK74
Cytogenetics:	7
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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US