

Product datasheet for RR213138

Il1rn (NM_022194) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il1rn (NM_022194) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Il1rn
Synonyms: IL-1ra
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR213138 representing NM_022194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCTGCAGGGGACCTTACAGTCACCTAATCTCTCTCCTTCTCATCCTTCTGTTTCGTTTCAGAGT
CAGCTGGCCACCCTGCTGGGAAAAGACCCTGCAAGATGCAAGCCTTCAGAATCTGGGATACTAACCAGAA
GACCTTCTACCTGAGGAACAACCAGCTCATTGCTGGGTACTTACAAGACCAAATACCAACTAGAAGAA
AAGATAGACATGGTGCCTATTGACTTTCGGAATGTGTTCTTGGGCATCCACGGGGCAAGCTGTGCCTGT
CTTGTTCAAGTCTGGAGATGACACCAAGCTCCAGCTGGAGGAGTTAACATCACTGATCTGAACAAGAA
CAAAGAAGAAGACAAGCGCTTACCTTCATCCGCTCCGAGACAGGCCCTACCACCAGCTTGAATCACTT
GCCTGTCCAGGATGGTTCCTCTGCACAACACTAGAGGCTGATCATCCCGTGAGCCTCACCAACACACCAA
AAGAGCCCTGTACAGTCACAAAGTTCTACTTCCAGGAAGACCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213138 representing NM_022194
 Red=Cloning site Green=Tags(s)

MEICRGPYSHLISLLLILLFRSESAGHPAGKRPCKMQAFRIWDTNQTFFYLRRNQLIAGYLQGPNTKLEE
KIDMVPIDFRNVFLGIHGGKLCCLSCVKSDDTKLQLEEVNITDLNKNKEEDKRFTFIRSETGPTTSFESL
ACPGWFLCTTLEADHPVSLTNTPKPECTVTKFYFQEDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

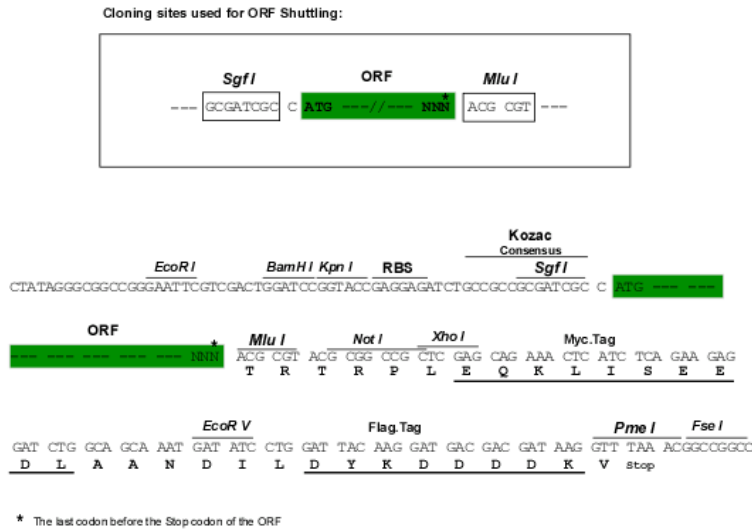
Chromatograms: https://cdn.origene.com/chromatograms/ja2070_e03.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022194

ORF Size: 534 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](#)

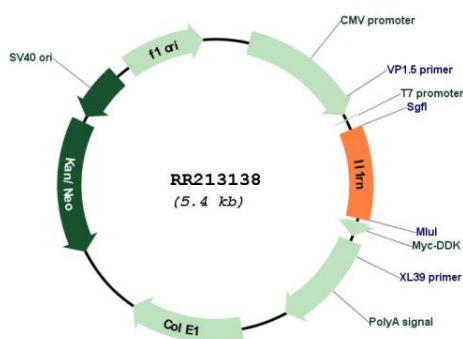
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_022194.2, NP_071530.1](#)
RefSeq Size: 1942 bp
RefSeq ORF: 537 bp
Locus ID: 60582
UniProt ID: [P25086](#)
Cytogenetics: 3p13
MW: 20.7 kDa
Gene Summary: binds to IL-1 receptor, blocking the binding of IL-1 alpha and -beta [RGD, Feb 2006]

Product images:



Circular map for RR213138