

Product datasheet for **RR200410**

Il1r1 (NM_001127689) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_001127689) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il1r1
Synonyms:	Fit-1; FIT1; St2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200410 representing NM_001127689
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGGCAAATGGAGAATGGGGCTTTGGGCTTTGGCAATTCTGACAGTCCCATGATTTTCATAGTGA
 CAGAGGGCAGAAAAACATCCTGGGGTCTAGAAAACGAGGCTTTAATTGTCAGATGCCCCAAAGAGGAGG
 TGCGATTAACCCCTGTGGAATGGTATTATCAAATACAAATGAAAGAATCCTACTCAAAGAGAAATCGG
 ATCTTCGCTCAAGAGATCGTCTGAAGTTCTACCAGCCAAAGTGAAGACTCTGGGATTATACGTGTG
 TTATCAGAAGCCCTGAATCGATTAAGACCGGATCTTTGAATGTCACCATATATAAAAGACCACAAACTG
 CAAAATCCCTGATTACATGATGACTCGACAGTAGATGGATCAGATAAAAATCCAAGATAACATGTCCA
 ACAATTGCCTGTATAATTGGACAGCGCTGTTCAAGTGGTTAAGAAGCTGCAAAGCTCTCCAAGGGCCAA
 GGTTCAAGGCACACATGTCTATTTGTTCAATGACAAAGTGAGTCATGTTGATGAAGGTGACTACACATG
 TCGATTCACTCACACGGAGAACGAACCAATTACATTGTGACTGCCACCAGATCATTCACAGTTGAAGAA
 AAAGGCTTCTCATATTTCCAGTAATTACAAACCTCCACACAACACAGTGGAAAGTGGAAATAGGAA
 AAACAGCAAACATTGCCTGCTCAGCTTGCTTTGGCACAGCCTCTCAGTTGCTGTGCTGCTGGCAGAT
 TAACAAAACGAGAATTGGATCTTTGGCAAAGCAAGAATTCAAGAAGAGAAAGGCCCAAATAAAAGTTCC
 AGCAATGGCATGATTTGCTTAACCTCACTGTTAAGGATAACTGGTGTGACCGACAAGGACTTCTCCCTGA
 AATATGACTGTGTGGCCATGAACCATCACGGAGTGATAAGGCACCCCGTAAGACTGAGAAGGAAACAACC
 AATTGACCACAAAGCACCTACTACATAGTTGCCGGATGATGTTTATTGCTAATGTTTATCAATGTCTTG
 GTGATAGTCTTAAAAGTGTCTGGATTGAGTTGCTCTGTTCTGGAGAGATATAATGGCACCTTACAAAA
 CCCAGAATGATGGAAAGCTCTATGATGCTTACATCATTTACCCTCGGGTCTTCGGGGCAGCGCAGCAGG
 GACCGGCTCTGTGGAGTACTTTGTTCACTACACTCTGCCGACGTTCTCGAAAATAAATGTGGTACAAG
 TTGTGCATTTACGGGAGAGACCTGCTGCCTGGGCAAGATGCGGCCACTGTGGTGGAAAGCAGTATCCAGA
 ATAGTAGACGGCAAGTGTGCTGCTGGCCCTCACATGATGCACAGCAAAGAGTTTGCCTATGAGCAGGA
 GATCGCCCTGCACAGCGCCCTCATCCAGAACAACCTCAAGGTGATTCTGATTGAAATGGAGCCTATGGGT
 GAGGCAAGCCGACTGCAGCTTGGGGATCTGCAAGATTCTCCAGCATCTGTGAAAATGCAGGGGACCA
 TCAAGTGGAGGGAAGACCAGTGGCCGACAAACAGTCTCTAAGCTCCAAATCTGGAAGCATGTGAGATA
 CCAAATGCCAGTCCCAAAAGACCCCCAAGATGGCATCTGTTGCCGCTCCGTTGAGTGGCAAGGTGTC
 TTGGACCTGAAACACTTT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200410 representing NM_001127689
 Red=Cloning site Green=Tags(s)

MIGKWRMGLWALAILTVPMYFIVTEGRKTSWGLENEALIVRCPQRGGAINPVEWYYSNTNERIPTQKRNR
 IFVSRDLKFLPAKVEDSGIYTCVIRSPESIKTGLNVTIYKRPPNCKIPDYMMYSTVDGSDKNSKITCP
 TIALYNWTAPVQWFKNCKALQGPRFRAHMSYLFIDKVSHVDEGDYTCRFHTHTENGTNYIVTATRSFTVEE
 KGFSTFPVITNPPHNYTVEVEIGKTANIACSACFGTASQFVAVLWQINKTRIGSFGKARIQEEKGNPKSS
 SNGMICLTSLLRITGVTDKDFSLKYDCVAMNHHGVIRHPVRLRRKQPIDHQSTYYIVAGCSLLLMFINVL
 VIVLKVFVIEVALFWRDIMAPYKTQNDGKLYDAYIIYPRVFRGSAAGTGSVEYFVHYTLPDVLNCKGK
 LCIYGRDLLPGQDAATVVESSIQNSRRQVFLAPHMMHSKEFAYEQEIALHSALIQNNSKVI LIEMEPMG
 EASRLQLGDLQDSLQHLVKMQGTIKWREDHVADKQSLSSKFWKHVRYQMPVPRPPKMASVAAPLSGKVC
 LDLKHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001127689

ORF Size: 1698 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](#)

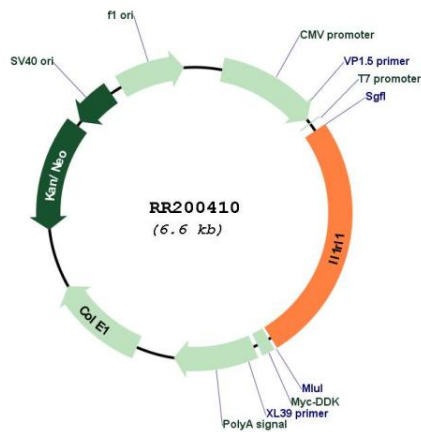
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001127689.1](#), [NP_001121161.1](#)
 RefSeq Size: 2065 bp
 RefSeq ORF: 1701 bp
 Locus ID: 25556
 UniProt ID: [Q62611](#)
 Cytogenetics: 9q22
 MW: 64.4 kDa
 Gene Summary: may be involved in modulating IL-1 signaling [RGD, Feb 2006]

Product images:



Circular map for RR200410