

Product datasheet for **RN200410**

Il1r1 (NM_001127689) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_001127689) Rat Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >RN200410 representing NM_001127689
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTGGCAAATGGAGAATGGGGCTTTGGGCTTTGGCAATTCTGACAGTCCCATGATTTTCATAGTGA
 CAGAGGGCAGAAAAACATCCTGGGGTCTAGAAAACGAGGCTTTAATTGTCAGATGCCCCAAAGAGGAGG
 TGCATTAAACCTGTGGAATGGTATTATCAAATACAAATGAAAGAATTCCTACTCAAAAGAGAAATCGG
 ATCTTCGCTCAAGAGATCGTCTGAAGTTCTACCAGCCAAAGTGAAGACTCTGGGATTATACGTGTG
 TTATCAGAAGCCCTGAATCGATTAAGACCGGATCTTTGAATGTCACCATATATAAAAGACCACAAACTG
 CAAAATCCCTGATTACATGATGTACTCGACAGTAGATGGATCAGATAAAAATTCGAAGATAACATGTCCA
 ACAATTGCCTTGATAATTGGACAGCGCTGTTCAAGTGGTTAAGAAGCTGCAAGCTCTCCAAGGGCCAA
 GGTTCAAGGCACACATGTCTATTTGTTCAATTGACAAAGTGAGTCATGTTGATGAAGGTGACTACACATG
 TCGATTCACTCACACGGAGAACGAACCAATTACATTGTGACTGCCACCAGATCATTACAGTTGAAGAA
 AAAGGCTTCTCTACATTTCCAGTAATTACAAACCTCCACACAACCTACACAGTGGAAAGTGGAAATAGGAA
 AAACAGCAAACATTGCCTGCTCAGCTTGTCTTGGCACAGCCTCTCAGTTGCTGTGCTGCTGCTGGCAGAT
 TAACAAAACGAGAATTGGATCTTTGGCAAAGCAAGAATTCAAGAAGAGAAAGGCCCAAATAAAAGTTCC
 AGCAATGGCATGATTTGCTTAACCTCACTGTTAAGGATAACTGGTGTGACCGACAAGGACTTCTCCCTGA
 AATATGACTGTGTGGCCATGAACCATCACGGAGTGATAAGGCACCCCGTAAGACTGAGAAGGAAACAACC
 AATTGACCACAAAGCACCTACTACATAGTTGCCGGATGATGTTTATTGCTAATGTTTATCAATGTCTTG
 GTGATAGTCTTAAAAGTGTCTGGATTGAGGTTGCTCTGTTCTGGAGAGATATAATGGCACCTTACAAAA
 CCCAGAATGATGGAAAGCTCTATGATGCTTACATCATTACCCTCGGGTCTTCCGGGGCAGCGCAGCAGG
 GACCGGCTCTGTGGAGTACTTTGTTCACTACACTCTGCCGACGTTCTCGAAAATAAATGTGGCTACAAG
 TTGTGCATTTACGGGAGAGACCTGCTGCCTGGGCAAGATGCGGCCACTGTGGTGGAAAGCAGTATCCAGA
 ATAGTAGACGGCAAGTGTGCTGCTGGCCCTCACATGATGCACAGCAAAGAGTTTGCCTATGAGCAGGA
 GATCGCCCTGCACAGCGCCCTCATCCAGAACTCCAAGGTGATTCTGATTGAAATGGAGCCTATGGGT
 GAGGCAAGCCGACTGCAGCTTGGGGATCTGCAAGATTCTCCAGCATCTTGAAAAATGCAGGGGACCA
 TCAAGTGGAGGGAAGACCAGTGGCCGACAAACAGTCTCTAAGCTCCAAATCTGGAAGCATGTGAGATA
 CCAAATGCCAGTCCCGAAAAGACCCCCAAGATGGCATCTGTTGCCGCTCCGTTGAGTGGCAAGGTGTC
 TTGGACCTGAAACACTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1642_e05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001127689

Insert Size: 1701 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](#)

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

Gene Summary: may be involved in modulating IL-1 signaling [RGD, Feb 2006]