

Product datasheet for **RR210024**

Il1r1 (NM_013123) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_013123) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il1r1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210024 representing NM_013123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCCGAGGCTTGTGACATCTTCGGCTAAATCCTCCATCCTGGAGAATATGAAAGTGCTACTTGGGT
 TCATTTGTCTCATTGTGCCTCTGCTGTCGCTGGAGACCGACAAATGCACGGAGTATCCAAATGAGGTCAT
 TTCATTTTCATCCGTAATGAAATTGACATTTCGACGCTGTCTCTTACTCCAAACGAAATGCATGGCGGC
 ACCATAATCTGGTATAAAAATGACAGCAAGACCCCATATCAGCGGACAAGGACTCCAGGATTCATCAGC
 AGAATGAACATCTTTGGTTTGTCCCGCAAGATGGAGGATTCAGGCTATTACTATTGTATAATGAGAAA
 CTCAACATACTGCCTCAAACTAAAATAACCATGAGTGTCTTAGAGAATGACCCTGGCTTGTGCTATAAC
 ACACAAGCCAGTTCATACAGCGGCTCCATGTTGCAGGGGATGGAAGTCTTGTGTGCCCTTATCTGGATT
 TTTTCAAAGATGAAAATAACGAGTTACCCAAAGTTCAGTGGTATAAGAAGTGTAAACCTCTGCCTCTTGA
 CGATGGAAACTTCTTTGGATTCAAGAATAAAGTATGATGGTGAATGTGGCTGAAGAGCACAGAGGGAAC
 TATACTTGCCGCAGTCTACACATACCGGGGAAGCAATATCCCGTCACACGAGTAATAACATTTATCA
 CAATAGATGACAGCAAGAGGGACAGACCTGTGATTATGAGCCACGGAATGAGACGATGGAAGCTGACCC
 AGGATCCACGATACAACCTGATCTGCAACGTACGGGCCAGTTCACCGACCTTGTCTACTGGAAGTGGAAAT
 GGGTCGGAAATGAAATGGGACGATCCAATCCTAGCCGAAGACTATCAGTTTTTGGAAACACCTTCAGCCA
 AAAGAAAGTACACTCTCATTACAACACTTAACGTTTCAGAGGTCAAAGCCAGTTTTATCGCTATCCGTT
 CATCTGCTTCGTTAAGAACAATCATATTCTGGAGACTGCACACGTACGGTTAGTATACCCAGTTCCTGAC
 TTCAAGAATTACCTCATCGGGGGCTTTGCCATCTCACAGCTACAGCCGTTCTGTGCTTGCATCTACA
 AAGTCTTCAAGGTTGATATAGTCTTTGGTACAGGGACTCCTGCTGATTTTTCTCCCCAAAAGCTTC
 AGATGGAAAGACCTATGATGCCTATGTTCTTTATCCCAAGACCTACGGAGAGGGATCCTTTGCATACTTG
 GATACTTTTGTGTTAAGCTGTTGCCGGAGGTCTTGGAGGGACAGTTTGGATACAAACTGTTCAATTTGTG
 GAAGGGATGACTATGTTGGGGAAGATACCATCGAGTTACTAATGAAAACGTAAGAGAAGCAGAAGGCT
 GATCATCATTTTGTGAGAGATATGGGAAGCTTCAGCTGTCTGGGCCAGTTCATCTGAAGAGCAGATAGCA
 ATATACGATGCCCTCATCCGGGAAGGAATTAATCATCTGCTCGAGTTGGAGAAAATCCAAGACTATG
 AGAAAAATGCCAGAATCTATTCAATTCATTAAGCAGAAGCATGGGGCCATTTGCTGGTCAGGAGACTTTAA
 AGAAAGACCGCAGTCTGCCAAGACCAGGTTCTGGAAAACTTAAGATACCAGATGCCAGCCCAACGGCGA
 TCACCACTGTCTAAACATCACTTACTAACCTGGATCCTGTGCTGGACACTAAGGAGAACTGCAGGCGG
 AGACACACTTACCACTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210024 representing NM_013123
 Red=Cloning site Green=Tags(s)

MLPRLVTSSAKSSILENMKVLLGFICLIVPLLSLETDKCTEYPNEVISFSSVNEIDIRSCPLTPNEMHGG
 TIIWYKNDKTPISADKDSRIHQNEHLWFVPAKMEDSGYIYICMRNSTYCLKTKITMSVLENDPGLCYN
 TQASFIQRLHVAGDGLVCPYLDFKDDENNELPKVQWYKNCKPLPLDDGNFFGFKNKLMMVNVAAEEHRGN
 YTCRTSYTYQKQYPVTRVITFITIDDSKRDRPVIMSPRNETMEADPGSTIQLICNVTGQFDLVVYKWN
 GSEIEWDDPILAEYQFLEHPSAKRKYTLITTLNVSEVKSQFYRYPFICFVKNTHILETAHVRLVYVPVPD
 FKNYLIGGF AIFTATAVFCACIYKVFVKVDIVLWYRDSDFLPPKASDGKTYDAYVLYPKTYGEGSFAYL
 DTFVFKLLPEVLEQGFGYKLFICGRDDYVGEDTIEVTNENVKRSRRLIIILVRDMGSFSLGQSSEEQIA
 IYDALIREGIKIILLELEKIQDYEKMPESIQFIKQKHGAICWSGDFKERPQSAKTRFWKNLRYQMPAQR
 SPLSKHLLTLDPVLDTKEKLQAETHLPLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

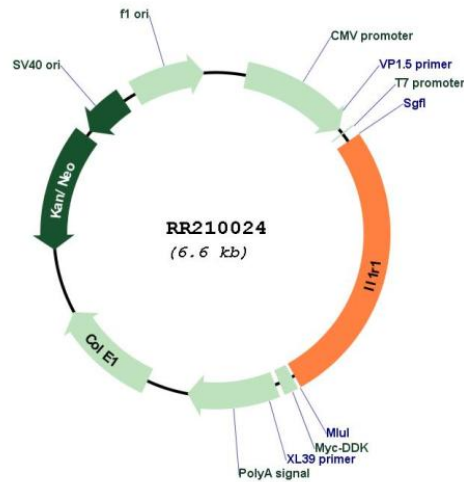
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013123

ORF Size:	1770 bp
OTI Disclaimer:	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:	<ol style="list-style-type: none">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_013123.3 , NP_037255.3
RefSeq Size:	1773 bp
RefSeq ORF:	1773 bp
Locus ID:	25663
Cytogenetics:	9q22
MW:	68.1 kDa
Gene Summary:	receptor for interleukin-1; involved in inflammatory response signalling [RGD, Feb 2006]