

Product datasheet for **RC222190**

IL1RL2 (NM_003854) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RL2 (NM_003854) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL1RL2
Synonyms:	IL-1Rrp2; IL-36R; IL1R-rp2; IL1RRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222190 representing NM_003854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGTCTTGTGCTCTGCGGGTTGCCATCGCCCTTCCACTGTCTGTACAGCAGATGGATGCAAGG
 ACATTTTTATGAAAAATGAGATACTTTTCAGCAAGCCAGCCTTTTGCTTTTAATTGTACATCCCTCCCAT
 AACATCTGGGGAAGTCAGTGTAAACATGGTATAAAAAATTCTAGCAAAATCCAGTGTCCAAAATCATAACAG
 TCTAGAATTCACCAGGACGAGACTTGGATTTTGTCTCCCATGGAATGGGGGACTCAGGAGTCTACC
 AATGTGTTATAAAGGTTAGAGACAGCTGTCATAGAATACATGTAACCTAACTGTTTTGAAAAACATTG
 GTGTGACACTTCCATAGGTGTTTACCAAATTTATCAGATGAGTACAAGCAAATATTACATCTTGGAAAA
 GATGATAGTCTCACATGTCATCTGCACTTCCCGAAGAGTTGTGTTTTGGTCCAATAAAGTGGTATAAGG
 ACTGTAACGAGATTAAGGGGAGCGGTTCACTGTTTTGAAAACAGGCTTTTGGTGAAGCAATGTCTCGGC
 AGAGGACAGAGGGAACACGCGTGTCAAGCCATACTGACACACTCAGGGAAGCAGTACGAGGTTTTAAAT
 GGCATCACTGTGAGCATTACAGAAAGAGCTGGATATGGAGGAAGTGTCCCTAAAAATCATTATCCAAAAA
 ATCATTCAATTGAAGTACAGCTTGGTACCCTCTGATTGTGGACTGCAATGTAACAGACACCAAGGATAA
 TACAAATCTACGATGCTGGAGAGTCAATAACACTTTGGTGGATGATTACTATGATGAATCCAAAACGAATC
 AGAGAAGGGTGGAAACCATGTCTCTTTTCGGGAACATAATTTGTACACAGTAAACATCACCTTCTTGG
 AAGTGAAGTGAAGATTATGGCCTTCTTTTATGTGCCACGCTGGAGTGTCCACAGCATAACATTATATT
 ACAGCTCCAGCTCCGGATTTTCGAGCTTACTTGATAGGAGGGCTTATCGCCTTGGTGGCTGTGGCTGTG
 TCTGTTGTGTACATATAACAATTTTTAAGATCGACATTGTTCTTTGGTATCGAAGTGCCTTCCATTCTA
 CAGAGCATTAGTATAGTGGGAAGCTGTATGACGCCTATGTCTTATACCCCAAGCCCAAGGAAAGCCCA
 GAGGCATGCCGTGGATGCCCTGGTGTGAATATCCTGCCGAGGTGTGGAGAGACAATGTGGATATAAG
 TTGTTTATATTCGGCAGAGATGAATCCCTGGACAAGCCGTGGCCAATGCATCGATGAAAACGTTAAGC
 TGTGCAGGAGGCTGATTGTCAATTGTGGTCCCCGAATCGCTGGGCTTTGGCCTGTTGAAGAACCTGTCAGA
 AGAACAAATCGCGGTCTACAGTGCCTGATCCAGGACGGGATGAAGGTTATTCTCATTGAGCTGGAGAAA
 ATCGAGGACTACACAGTCATGCCAGAGTCAATTCAGTACATCAAACAGAAGCATGGTCCATCCGGTGGC
 ATGGGGACTTACGGAGCAGTACAGTGTATGAAGACCAAGTTTTGGAAGACAGTGAATACCACATGCC
 GCCCAGAAGTGTGGCCGTTTCTCCGGTCCAGCTGCTGCAGCACACACCTTGTACCCGACCCGAGGC
 CCAGAACTAGGCTCAAGAAGAAAGAAGTGTACTCTCAGACTGGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC222190 representing NM_003854
 Red=Cloning site Green=Tags(s)

MWSLLLGLSIALPLSVTADGCKDIFMKNEILSASQPFANCTFPPITSGEVSVTWYKNSSKIPVSKIIQ
 SRIHQDETWILFLPMEWGDGSGVYQCVIKGRDSCHRIHVNLTVFEKHWCDSIGGLPNLSDEYKQILHLGK
 DDSLTCHLHFPKSCVLGPIKWKYDCNEIKGERFTVLETRLLVSNVSAEDRGNACQAILTHSGKQYEVLN
 GITVSIATERAGYGGVPKIIPKNHSIEVQLGTTLIVDCNVTDTKNTNLRWVNNLTVDDYYDESKRI
 REGVETHVSFRENHLYTVNITFLEVKMEDYGLPFMCHAGVSTAYIILQLPAPDFRAYLIGGLIALVAVAV
 SVVYIYNIFKIDIVLWYRSFHSSTETIVDGKLYDAYVLYPKPHKESQRHAVDALVLNILEVLERQCGYK
 LFIFGRDEFPGQAVANVIDENVKLCRRLLIVIVPESLGFLLKNLSEEQIAVYSALIQDGMKVILIELEK
 IEDYTVMPESIYIKQKHGAIRWHGDFTEQSQCMKTKFWKTVRYHMPPRRCRPFPPVQLLQHTPCYRTAG
 PELGSRKKCTLTTG

SGP**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8008_a12.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_003854

ORF Size: 1725 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:**
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_003854.4](#)

RefSeq Size: 1964 bp

RefSeq ORF: 1728 bp

Locus ID: 8808

UniProt ID: [Q9HB29](#)

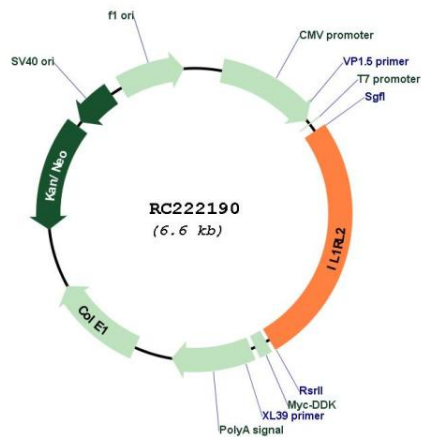
Cytogenetics: 2q12.1

Protein Families: Druggable Genome, Transmembrane

MW: 65.4 kDa

Gene Summary: The protein encoded by this gene is a member of the interleukin 1 receptor family. An experiment with transient gene expression demonstrated that this receptor was incapable of binding to interleukin 1 alpha and interleukin 1 beta with high affinity. This gene and four other interleukin 1 receptor family genes, including interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 1 (IL1RL1), and interleukin 18 receptor 1 (IL18R1), form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222190