

Product datasheet for **RC230295**

IL1RAP (NM_001167929) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RAP (NM_001167929) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL1RAP
Synonyms:	C3orf13; IL-1RAcP; IL1R3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230295 representing NM_001167929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACACTTCTGTGGTGTAGTGTAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCT
 GCGATGACTGGGACTAGACACCATGAGGCAAATCCAAGTGTGGAAGATGAGCCAGCTCGCATCAAGTG
 CCCACTCTTTGAACACTTCTTGAATTCAACTACAGCACAGCCATTCAGCTGGCCTTACTCTGATCTGG
 TATTGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACCTCCGCCTCCCGAGAACCGCATTAGTA
 AGGAGAAAAGATGTGCTGTGGTCCGGCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAG
 GAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC
 CCCATGAAACTCCAGTGCATAAAGTGTATAGAATATGGCATTAGAGGATCACTTGTCCAAATGTAG
 ATGGATATTTCCCTTCCAGTGTCAAACCGACTCACTTGGTATATGGGCTGTTATAAAATACAGAATTT
 TAATAATGTAATACCCGAAGGTATGAACCTTGAGTTTCCCTATTGCCTTAATTTCAATAATGAAATAC
 ACATGTGTTGTTACATATCCAGAAAATGGAGCTACGTTTCATCTACCAGGACTCTGACTGTAAAGGTAG
 TAGGCTCTCAAAAAATGCAGTGCCCCCTGTGATCCATTCACCTAATGATCATGTGGTCTATGAGAAAGA
 ACCAGGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT
 TGGTGGACCATTGATGAAAAAACCTGATGACATCACTATTGATGTCACCATTAAACGAAAGTAAAGTC
 ATAGTAGAACAGAAGTGAACAAGAAGTCAAGATTTTGGAGCATCAAGAAAGTTACCTCTGAGGATCTCAA
 GCGCAGCTATGCTGTGCTAGAAAGTCCAAAGGCGAAGTTGCCAAAGCAGCAAGGTGAAGCAGAAA
 GTGCCAGCTCCAAGATACACAGTGAAGTGGCTTGTGGTTTTGGAGCCACAGTCTGCTAGTGGTGATTC
 TCATTTGTTGTTTACCATGTTTACTGGCTAGAGATGGTCTATTTTACCGGGCTCATTTTGGAACAGATGA
 AACCATTTTAGATGGAAGAGATGATGATTTTATGTATCCTATGCAAGGAATGCGGAAGAAGAAGATTT
 GTATTACTGACCCTCCGTGGAGTTTTGGAGAATGAATTTGGATACAAGCTGTGCATCTTTGACCGAGACA
 GTCTGCCTGGGGAAATTGTCACAGATGAGACTTTGAGCTTCATTAGAAAAGCAGACGCCTCCTGTTGT
 TCTAAGCCCAACTACGTGCTCCAGGAAACCAAGCCCTCCTGGAGCTCAAGGCTGGCCTAGAAAATATG
 GCCTCTCGGGCAACATCAACGTCATTTTAGTACAGTACAAGCTGTGAAGGAAACGAAGGTGAAAGAGC
 TGAAGAGGGCTAAGACGGTGTACGGTCATTAATGAAAGGGGAAAAATCCAAGTATCCACAGGGCAG
 GTTCTGGAAGCAGCTGCAGGTGGCCATGCCAGTGAAGAAAAGTCCAGGGGCTAGCAGTGATGAGCAG
 GGCTCTCGTATTCATCTTTGAAAAATGTA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230295 representing NM_001167929
 Red=Cloning site Green=Tags(s)

MTLLWCVVSIFYGILQSDASERCDDWGLDTRMQIQVFEDEPARIKCPLFEHFLKFNSTASHAGLTLIW
 YWTRQDRDLEEPINFRLPENRISKEKDVLFWRPTLLNDTGNYTCLRNNTTYCSKVAFPLEVVQKDFNS
 PMKLPVHKLIEYGIQRITCPNVDGYFPSSVKPTITWYMGCKIQNFNNVIPEGMNL SFLIALISNNGNY
 TCVVYTPENGRFHLTRTLTKVVGSPKNAVPPVIHSPNDHVVEKEPGEELLIPCTVYFSLMDSRNEV
 WWTIDGKPPDDITIDVTINESISHSRTEDETRQILSIKKVTSDELKRSYVCHARSAKGEVAKAAKVKQK
 VPAPRYTVELACFGATVLLVILIVVYHVVWLEMLVFYRAHFGTDETILDGKEYDIYVSYARNAEEEEF
 VLLTLRGVLENEFGYKLCIFDRDSLPGGI VTDETLSFIQKSRRLLVVLSPNYVLQGTQALLELKAGLENM
 ASRGNINVILVQYKAVKETKVKELKRAKTVLTVIKWKGESKYPQGRFWKQLQVAMPVKKSPRRSSSDEQ
 GLSYSSLKNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_g08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001167929

ORF Size: 1710 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_001167929.2](#)

RefSeq Size: 4714 bp

RefSeq ORF: 1713 bp

Locus ID: 3556

UniProt ID: [Q9NPH3](#)

Cytogenetics: 3q28

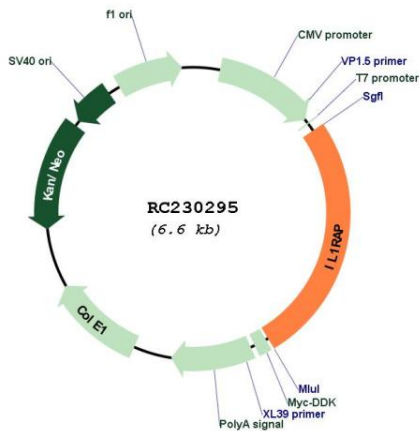
Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction

MW: 65.4 kDa

Gene Summary: This gene encodes a component of the interleukin 1 receptor complex, which initiates signalling events that result in the activation of interleukin 1-responsive genes. Alternative splicing of this gene results in membrane-bound and soluble isoforms differing in their C-terminus. The ratio of soluble to membrane-bound forms increases during acute-phase induction or stress. [provided by RefSeq, Jul 2018]

Product images:



Circular map for RC230295