

Product datasheet for RC229933

IL1RAP (NM_001167930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RAP (NM_001167930) 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)
ORF Nucleotide Sequence:	>RC229933 representing NM_001167930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACACTTCTGTGGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCT
GCGATGACTGGGACTAGACACCATGAGGCAAATCCAAGTGTGGAAGATGAGCCAGCTCGCATCAAGTG
CCCCTCTTTGAACACTTCTTGAATTTCAACTACAGCACAGCCATTAGCTGGCCTTACTCTGATCTGG
TATTGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACCTCCGCCTCCCGAGAACCGCATTAGTA
AGGAGAAAAGATGTGCTGTGGTCCGGCCACTCTCCTCAATGACTGGCAACTATACCTGCATGTTAAG
GAACACTACATATTGCAGCAAAGTTCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC
CCCATGAAACTCCAGTGCATAAAGTGTATATAGAATATGGCATTAGAGGATCACTTGTCCAAATGTAG
ATGGATATTTTCCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGCTGTTATAAAATACAGAATTT
TAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCTCATTGCCTTAATTTCAAATAATGGAAATTAC
ACATGTGTTGTTACATATCCAGAAAATGGACGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAG
TAGGCTCTCAAAAAATGCAGTGCCCTGTGATCCATTACCTAATGATCATGTGGTCTATGAGAAAGA
ACCAGGAGAGGAGCTACTATCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT
TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAAAGTATAAGTC
ATAGTAGAACAGAAGATGAAACAAGAAGTCAAGTTTGGAGCATCAAGAAAGTTACCTCTGAGGATCTCAA
GCGCAGCTATGTCTGTCTAGTAGAAGTGCCTAAAGGCGAAGTTGCCAAAGCAGCCAAGGTGAAGCAGAAA
GGTAATAGATGCGGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229933 representing NM_001167930
Red=Cloning site Green=Tags(s)

MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQVFEDEPARIKCPLFEHFLKFNYSTAHSAGLTLIW
 YWTRQDRDLEEFINFRLENRISKEKDVLFWRPTLLNDTGNVTCMLRNTTYCSKVAFFLEVVQKDSFNS
 PMKLPVHKLIEYGIQRITCPNVDGYFPSSVKPTITWYMGYKIQNFNNVIEPEGMNLSFLIALISNNGNY
 TCVVYPENGRTFHLTRLTLVKVVGSPKNAVPPVIHSPNDHVVEKEPGEELLIPCTVYFVFLMDSRNEV
 WWTIDGKKPDDITIDVTINESISHSRTEDETRTQILSIKKVTSKRSYVCHARSAKGEVAKAAKVKQK
 GNRCGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001167930

ORF Size: 1068 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_001167930.2](#)

RefSeq ORF: 1071 bp

Locus ID: 3556

UniProt ID: [Q9NPH3](#)

Cytogenetics: 3q28

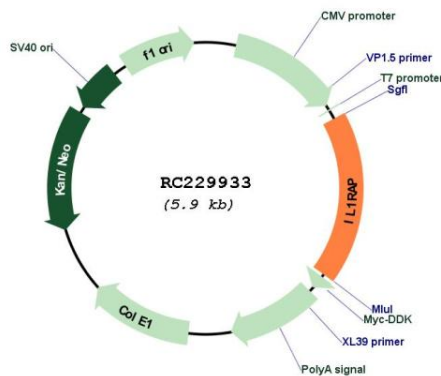
Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction

MW: 41.5 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 RC229933