

Product datasheet for **RG229933**

IL1RAP (NM_001167930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RAP (NM_001167930) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL1RAP
Synonyms:	C3orf13; IL-1RAcP; IL1R3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229933 representing NM_001167930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACACTTCTGTGGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCT
GCGATGACTGGGACTAGACACCATGAGGCAAATCCAAGTGTGGAAGATGAGCCAGCTCGCATCAAGTG
CCCCTCTTTGAACACTTCTTCAAATCAACTACAGCACAGCCATTGAGCTGGCCTTACTCTGATCTGG
TATTGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACCTCCGCCTCCCGAGAACCGCATTAGTA
AGGAGAAAAGATGTGCTGTGGTCCGGCCACTCTCCTCAATGACTGGCAACTATACCTGCATGTTAAG
GAACACTACATATTGCAGCAAAGTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC
CCCATGAAACTCCAGTGCATAAAGTGTATATAGAATATGGCATTGAGGATCAGTGTCCAAATGTAG
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TAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCTCATTGCCTTAATTTCAAATAATGGAAATTAC
ACATGTGTTGTTACATATCCAGAAAATGGACGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAG
TAGGCTCTCAAAAAATGCAGTGCCCTGTGATCCATTACCTAATGATCATGTGGTCTATGAGAAAGA
ACCAGGAGAGGAGCTACTATCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT
TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAAAGTATAAGTC
ATAGTAGAACAGAAGATGAAACAAGAAGTCAAGTTTGGAGCATCAAGAAAGTTACCTCTGAGGATCTCAA
GCGCAGCTATGTCTGTCATGCTAGAAAGTCCAAAGGCGAAGTTGCCAAAGCAGCCAAGGTGAAGCAGAAA
GGTAATAGATGCGGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229933 representing NM_001167930
Red=Cloning site Green=Tags(s)

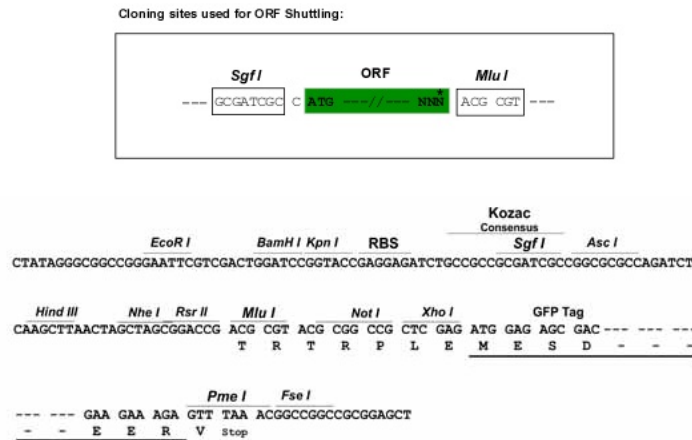
MTLLWCVVSLFYGIQLQSDASERCDDWGLDTRQIQVFEDEPARIKCPLFEHFLKFNYSTAHSAGLTLIW
 YWTRQDRDLEEFINFRLENRISKEKDVLFWRPTLLNDTGNYTCLRNNTTYCSKVAFFLEVYQKDSFN
 PMKLPVHKLIEYGIQRITCPNVDGYFPSSVKPTITWYMGYKIQNFNNVIPEGMNL SFLIALISNNGNY
 TCVVYTPENGRTFHLTRLTLTKVVGSPKNAVPPVIHSPNDHVVEKEPGEELLIPCTVYF SFLMDSRNEV
 WWTIDGKKPDDITIDVTINESISHSRTEDETRTQILSIKKVTSSEDLKRSYVCHARSAKGEVAKAAKVQK
 GNRCGQ

TRTRPLE - GFP Tag - V

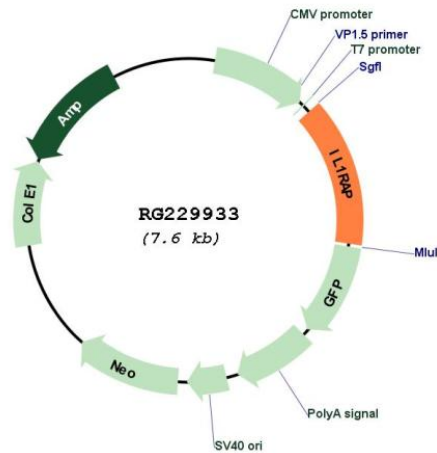
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_001167930.2
RefSeq Size:	2027 bp
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
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]