

Product datasheet for **RG211970**

IL1RAP (NM_002182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RAP (NM_002182) 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)



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ORF Nucleotide Sequence:

>RG211970 representing NM_002182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACACTTCTGTGGTGTAGTGTAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCT
 GCGATGACTGGGACTAGACACCATGAGGCAAATCCAAGTGTGAAAGATGAGCCAGCTCGCATCAAGTG
 CCCACTCTTTGAACACTTCTTGAATTCAACTACAGCACAGCCATTCAGCTGGCCTTACTCTGATCTGG
 TATTGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACCTCCGCCTCCCGAGAACCGCATTAGTA
 AGGAGAAAAGATGTGCTGTGGTCCGGCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAG
 GAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC
 CCCATGAAACTCCAGTGCATAAAGTGTATATAGAATATGGCATTAGAGGATCACTTGTCCAAATGTAG
 ATGGATATTTTCCCTTCCAGTGTCAAACCGACTCACTTGGTATATGGGCTGTTATAAAATACAGAATTT
 TAATAATGTAATACCCGAAGGTGAACCTTGAGTTTCCCTATTGCCTTAATTTCAAATAATGAAATTC
 ACATGTGTTGTTACATATCCAGAAAATGGAGCTACGTTTCATCTACCAGGACTCTGACTGTAAAGGTAG
 TAGGCTCTCCAAAAATGCAGTGCCCCCTGTGATCCATTCACCTAATGATCATGTGGTCTATGAGAAAGA
 ACCAGGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTAGTTTTCTGATGGATTCTCGCAATGAGGTT
 TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAAACGAAAGTAAAGTC
 ATAGTAGAACAGAAGTGAACAAGAAGTCAAGATTTTGGAGCATCAAGAAAGTTACCTCTGAGGATCTCAA
 GCGCAGCTATGTCTGTCTAGAAAGTCCAAAGGCGAAGTTGCCAAAGCAGCCAAGGTGAAGCAGAAA
 GTGCCAGCTCCAAGATACACAGTGAAGTGGCTTGTGGTTTTGGAGCCACAGTCTGCTAGTGGTGATTC
 TCATTTGTTGTTTACCATGTTTACTGGCTAGAGATGGTCCTATTTTACCGGGCTCATTTTGGAACAGATGA
 AACCATTTTAGATGGAAAAGAGTATGATATTTATGTATCCTATGCAAGGAATGCGGAAGAAGAAGATTT
 GTATTACTGACCTCCGTGGAGTTTTGGAGAATGAATTTGGATACAAGCTGTGCATCTTTGACCGAGACA
 GTCTGCCTGGGGAAATTGTCACAGATGAGACTTTGAGCTTCATTAGAAAAGCAGACGCCTCCTGTTGT
 TCTAAGCCCAACTACGTGCTCCAGGAAACCAAGCCCTCCTGGAGCTCAAGGCTGGCCTAGAAAATATG
 GCCTCTCGGGCAACATCAACGTCAATTTAGTACAGTACAAGCTGTGAAGGAAACGAAGGTGAAAGAGC
 TGAAGAGGGCTAAGACGGTGTCTACGGTCATTAATGAAAGGGGAAAAATCCAAGTATCCACAGGGCAG
 GTTCTGGAAGCAGCTGCAGGTGGCCATGCCAGTGAAGAAAAGTCCAGGGCGTCTAGCAGTGATGAGCAG
 GGCTCTCGTATTCATCTTTGAAAAATGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211970 representing NM_002182
 Red=Cloning site Green=Tags(s)

MTLLWCVVSIFYGILQSDASERCDDWGLDTRMQIQVFEDEPARIKCPLFEHFLKFNYSHTASAGLTLIW
 YWTRQDRDLEEPINFRLPENRISKEKDVLFWRPTLLNDTGNITCMLRNTTYCSKVAFPLEVVQKDSFCNS
 PMKLPVHKLYIEYGIQRITCPNVDGYFPSSVKPTITWYMGYKIQNFNNVIPEGMNL SFLIALISNNGNY
 TCVVYTPENGRFHLTRTLTVKVVGSPKNAVPPVIHSPNDHVVEKEPGEELLIPCTVYFSFLMDSRNEV
 WWTIDGKKPDDITIDVTINESISHSRTEDETRTQILSIKKVTSIDLKRSYVCHARSAKGEVAKAAKVKQK
 VPAPRYTVELACFGATVLLVILIVVYHVYLEMVLFYRAHFGTDETILDGKEYDIYVSYARNAEEEEF
 VLLTLRGVLENEFGYKLCIFDRDSLPGGIVTDETL SFIQKSRLLVVLSPNYVLQGTQALLELKAGLENM
 ASRGNINVILVQYKAVKETVKELKRAKTVLTVIKWKGEKSKYPQGRFWQLQVAMPVKKSPRRSSSDEQ
 GLSYSSSLKNV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_002182

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_002182.4](#)

RefSeq Size: 4726 bp

RefSeq ORF: 1713 bp

Locus ID: 3556

UniProt ID: [Q9NPH3](#)

Cytogenetics: 3q28

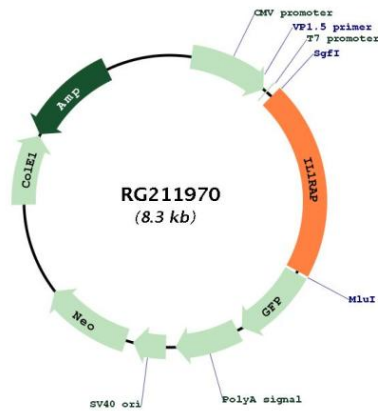
Domains: TIR, ig, IG

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]

Product images:



Circular map for RG211970