

## Product datasheet for **RG230295**

### **IL1RAP (NM\_001167929) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IL1RAP (NM_001167929) 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:**

>RG230295 representing NM\_001167929  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACACTTCTGTGGTGTAGTGTAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCT  
 GCGATGACTGGGACTAGACACCATGAGGCAAATCCAAGTGTGAAAGATGAGCCAGCTCGCATCAAGTG  
 CCCACTCTTTGAACACTTCTTGAATTCAACTACAGCACAGCCATTCAGCTGGCCTTACTCTGATCTGG  
 TATTGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACCTCCGCCTCCCGAGAACCAGCATTAGTA  
 AGGAGAAAAGATGTGCTGTGGTCCGGCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAG  
 GAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC  
 CCCATGAAACTCCAGTGCATAAAGTGTATATAGAATATGGCATTAGAGGATCACTTGTCCAAATGTAG  
 ATGGATATTTCCCTTCCAGTGTCAAACCGACTCACTTGGTATATGGGCTGTTATAAAATACAGAATTT  
 TAATAATGTAATACCCGAAGGTGAACCTTGAGTTTCCCTATTGCCTTAATTTCAAATAATGAAATAC  
 ACATGTGTTGTTACATATCCAGAAAATGGAGCTACGTTTCATCTACCAGGACTCTGACTGTAAAGGTAG  
 TAGGCTCTCAAAAAATGCAGTGCCCCCTGTGATCCATTACCTAATGATCATGTGGTCTATGAGAAAGA  
 ACCAGGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTAGTTTTCTGATGGATTCTCGCAATGAGGTT  
 TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAAACGAAAGTAAAGTC  
 ATAGTAGAACAGAAGTAAACAAGAAGTCAAGATTTTGGAGCATCAAGAAAGTTACCTCTGAGGATCTCAA  
 GCGCAGCTATGTCTGTCTAGAAAGTCCAAAGGCGAAGTTGCCAAAGCAGCAAGGTGAAGCAGAAA  
 GTGCCAGCTCCAAGATACACAGTGAAGTGGCTTGTGGTTTTGGAGCCACAGTCTGCTAGTGGTGATTC  
 TCATTTGTTGTTTACCATGTTTACTGGCTAGAGATGGTCCTATTTTACCGGGCTCATTTTGGAACAGATGA  
 AACCATTTTAGATGGAAGAGATGATATTTATGATCCTATGCAAGGAATGCGGAAGAAGAAGATTT  
 GTATTACTGACCTCCGTGGAGTTTTGGAGAATGAATTTGGATACAAGCTGTGCATCTTTGACCGAGACA  
 GTCTGCCTGGGGAAATTGTCACAGATGAGACTTTGAGCTTCACTCAGAAAAGCAGACGCCTCCTGTTGT  
 TCTAAGCCCAACTACGTGCTCCAGGAAACCAAGCCCTCCTGGAGCTCAAGGCTGGCCTAGAAAATATG  
 GCCTCTCGGGCAACATCAACGTCAATTTAGTACAGTACAAGCTGTGAAGGAAACGAAGGTGAAAGAGC  
 TGAAGAGGGCTAAGACGGTGTACGGTCATTAATGAAAGGGGAAAAATCCAAGTATCCACAGGGCAG  
 GTTCTGGAAGCAGCTGCAGGTGGCCATGCCAGTGAAGAAAAGTCCAGGGGCTAGCAGTGATGAGCAG  
 GGCTCTCGTATTCATCTTTGAAAAATGA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG230295 representing NM\_001167929  
 Red=Cloning site Green=Tags(s)

MTLLWCVVSLYFYGILQSDASERCDDWGLDTRMQIQVFEDEPARIKCPLFEHFLKFNYSHTASAGLTLIW  
 YWTRQDRDLEEPINFRLPENRISKEKDVLFWRPTLLNDTGNVTCMLRNTTYCSKVAFPLEVVQKDSFCNS  
 PMKLPVHKLYIEYGIQRITCPNVDGYFPSSVKPTITWYMGCKYIQNFNNVIPEGMNL SFLIALISNNGNY  
 TCVVYTPENGRFHLTRTLTVKVVGSPKNAVPPVIHSPNDHVVEKEPGEELLIPCTVYFSFLMDSRNEV  
 WWTIDGKKPDDITIDVTINESISHSRTEDETRTQILSIKKVTSIDLKRSYVCHARSAKGEVAKAAKVKQK  
 VPAPRYTVELACFGATVLLVILIVVYHVYLEMVLFYRAHFGTDETILDGKEYDIYVSYARNAEEEEF  
 VLLTLRGVLENEFGYKLCIFDRDSLPGGIVTDETL SFIQKSRLLLVVLSPNYVLQGTQALLELKAGLENM  
 ASRGNINVILVQYKAVKETVKELKRAKTVLTVIKWKGEKSKYPQGRFWQLQVAMPVKKSPRRSSSDEQ  
 GLSYSSSLKNV

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001167929.2</a>
<b>RefSeq Size:</b>	4714 bp
<b>RefSeq ORF:</b>	1713 bp
<b>Locus ID:</b>	3556
<b>UniProt ID:</b>	<a href="#">Q9NPH3</a>
<b>Cytogenetics:</b>	3q28
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Apoptosis, Cytokine-cytokine receptor interaction
<b>Gene Summary:</b>	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]