

## Product datasheet for **RG211149**

### **IL1RAPL2 (NM\_017416) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IL1RAPL2 (NM_017416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL1RAPL2
Synonyms:	IL-1R9; IL1R9; IL1RAPL-2; TIGIRR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG211149 representing NM\_017416  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCCACCATTCTTTGGCCCTTGTGGTCTGTTCTGTAGTCAGCACAAATCTGAAGATGGTGTCAA  
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 ACCAGTCCGAGTGAAATGTGCCCTTTCTACAGTTATATTCGTACCAACTATAGCACGGCCAGAGCACT  
 GGGCTCAGGCTTATGTGGTACAAAAACAAAGGTGATTTGGAAGAGCCCATCATCTTTTCAGAGGTCAGGA  
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 TACCCTCTATTGCCATGACCAGTACTTCAGCCACTCTGGTGTATCTCAGGCTGATCTCCCTGAATTCCA  
 CCCTTCAGATTCAATGCAATCAGGCACTGTTGCAGAGGTTATAAACATGAGATACCAGCCACGACCTTG  
 CCAGTACCTTCTTAGGCAACCACCATACTTATTGTAACCTGCCTCTGACGCTACTCAACGGACAGCTAC  
 CCCTTAATAACACCCTGAAAGATACCCAGGAATTTACAGGAACAGTTCTTTGCTGCCTTATCTCCCAA  
 AGAGCTTAGCTTTACCAGTGATATTTGG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG211149 representing NM\_017416  
Red=Cloning site Green=Tags(s)

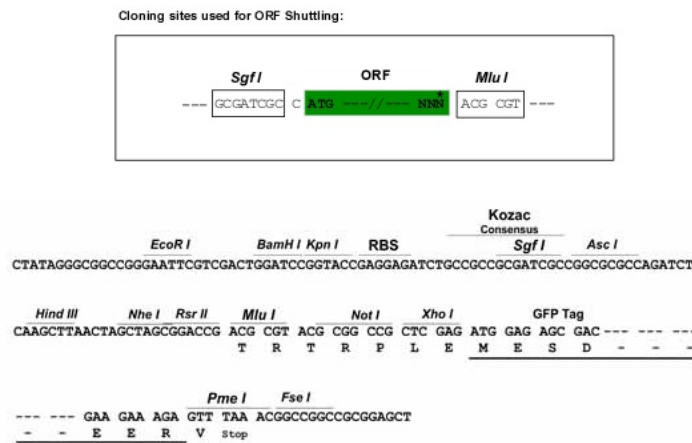
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CYNRSRIRYLEKSEVTKRKEISCPDMDDFKSDQEPDVVWYKECKPKMWSIIIQKGNALLIQEVQEEEDGQ
NYTCELKYEGLVRRTELKVTALLTDKPPKPLFPMENQPSVIDVQLGKPLNIPCKAFFGFGSGESGPMIY
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LIYKIELAGLGAIFLLLVLLVVIYKCYNIELMLFYRQHFGAETNDDNKEYDAYLSYTKVDQDTLDCDN
PEEEQFALEVLDPVLEKHYGYKLFIPERDLIPSGTYMEDLTRYVEQSRRLIIVLTPDYILRRGWSIFELE
SRLHNMLVSGEIKVILIECTELKGVNQCQEVESLKRSLKLLSLIKWKGSKSSKLNKSKFWKHLVYEMPIKK
KEMLPRCHVLDSAEQGLFGELQIPSIAMTSTSATLVSSQADLPEFHPSDSMQIRHCCRGRYKHEIPATTL
PVPPLGNHHTYCNLPLTLNLQPLNNTLKDTQEFHRNSSLLPLSSKELSFSTSDI
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_017416

**ORF Size:** 2058 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\\_017416.2](#)

**RefSeq Size:** 2985 bp

**RefSeq ORF:** 2061 bp

**Locus ID:** 26280

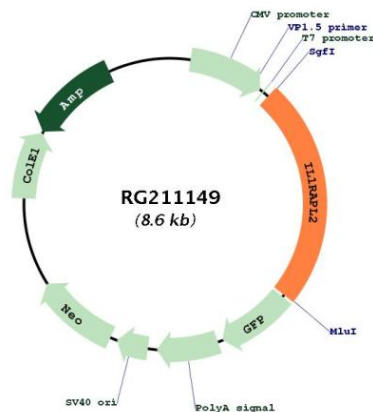
**UniProt ID:** [Q9NP60](#)

**Cytogenetics:** Xq22.3

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene is a member of the interleukin 1 receptor family. This protein is similar to the interleukin 1 accessory proteins, and is most closely related to interleukin 1 receptor accessory protein-like 1 (IL1RAPL1). This gene and IL1RAPL1 are located at a region on chromosome X that is associated with X-linked non-syndromic cognitive disability. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG211149