

## Product datasheet for **MG223965**

### **Il1rl2 (NM\_133193) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il1rl2 (NM_133193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il1rl2
Synonyms:	AI481289; AW551444; IL-1Rrp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG223965 representing NM\_133193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGTTACATCTTTGCTCTTCTGTGGGGTGTTTTTCTGCTTCTGCTTTTCGTGGCAGCAGATACGT  
 GTGAGGACATTTTTATGCACAATGTGATAATTTTCAGAGGCCAGCCTTTTCTTTCAACTGCACATACCC  
 GCCAGAAACAAACGGGGCAGTAAATCTGACATGGTACAAAAACACCTAGCAAAAAGCCAGTATCTAACAA  
 AGACACCTTAGAGTTCACCAGGACCAGACCTGGATCTTGTCTTCCATTGACACTGGAGGACTCCGGTA  
 TCTATCAGTGTGTATAAGGAATGCCACAACCTGCTACCAATAGCTGTGAACCTAACCGTTTTAAAAA  
 CCACTGGTGTGACTCTTCCATGGAGGGGAGTCCCGTAAATTCACCAGATGTGTACCAGCAAAATATTACC  
 ATAGGAAAATCGGGCAGTCTGAATTGCATCTCTACTTCCAGAAAGTTGTGCTTTGGATTCAATAAAAT  
 GGTATAAGGGTTGTGAAGAGATTAAGCGGGGAAAAAGTACAGCCCTTCAGGAGCAAAGCTTCTGTGAA  
 CAACGTTGCTGTGGAGGACGGCGGGAGCTATGCGTGCTCAGCCAGACTGACTCACTTGGGGAGACTTTC  
 ACCATTAGAAACTACATTGCTGTGAACCAAGGAAGTTGAGTATGGAAGAAGGATCCCTAACATCACGT  
 ATCCAAAGAACAACCTCCATTGAAGTCCACTTGGCTCCACCCCTCATCGTAACTGCAATATAACAGACAC  
 GAAGGAGAATACAAACCTGAGGTGCTGGAGAGTCAACAACACCCTGGTGGATGACTACTACAAAGACTCC  
 AAACGCATCCAGGAAGGAATCGAAACCAATGTGTCCTTGGAGGATCAAATTCGGTACACAGTGAACATA  
 CATTCTTAAAAGTAAAAATGGAGGACTACGGCCGTCCTTTCACGTGTGCTGCTGGAGTGTCCGCAGCCTA  
 CATCATTCTGATATACCCAGTCCAGACTTCAGGGCTTACCTCTTAGGAGGGCTTATGGCGTTCTACTT  
 CTGGTTGATCTGTTCTGTTCTATCTACAACAGCTTAAAGATCGACATCATGCTTTGGTACAGAAGCGCT  
 TCCACACTGCCAGGCTCCAGATGATGAGAAGCTGTATGATGCCTATGTCTTATACCCAAAGTACCCGAG  
 AGGAAGCCAGGGCATGATGTAGACACACTGGTACTGAAGATCTTGCCCGAGGTGCTGGAGAAACAGTGT  
 GGATATAAGTTATTTATATTTGGCAGGGATGAATTCCTGGACAAGCTGTGGCCAGCGTCATTGATGAAA  
 ACATTAAGCTGTGTAGGAGGCTGATGGTCTTTGTGGCACCAGAGTCGTCTAGCTTCGGCTTTCTAAAGAA  
 CTTGTGAGAAGAACAAATTCGCCGTCTACAATGCCCTCATCCAGCATGGCATGAAGTTCATTCTGATCGAA  
 CTGGAGAAAGTCAAAGACTACAGCACCATGCCGAGTCCATTAGTATATCCGACAGAAGCACGGGGCCA  
 TCCAATGGGATGGGACTTCACAGAGCAGTCACAGTGTGCCAAGACCAAGTCTGGAAGAAAGTGAAGATA  
 CCATATGCCACCAGGAGGTATCCAGCATCTTCCCAGTCCAGCTGCTGGGACACATACCCTGCAATTGC  
 AAGGCAGGCAAAATGCAATGCTGCCACAGGGCTCATAACTCCC

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG223965 representing NM\_133193  
 Red=Cloning site Green=Tags(s)

MGVTSLLFCGVFFLLLLFVAADTCEDIFMHNVIISEGQPFNFCTYPPEPNGAVNLTWYKTPSKSPVSN  
 RHLRVHQDQTWILFLPLTLEDSEIYQCVIRNAHNCYQIAVNLTVLKNHWCDSSMEGSPVNSPDVYQQILP  
 IGKSGSLNCHLYFPESCALDSIKWYKGCCEIKAGKKYSPSGAKLLVNNVAVEDGGSYAC SARLTHLGRHF  
 TIRNYIAVNTKEVEYGRRIIPNITYPKNNSIEVPLGSTLIVNCNITDTKENTLRCWRVNNLTVDDYYKDS  
 KRIQEGIETNVSLRDQIRYTVNITFLKVKMEDYGRPFTCHAGVSAAYIILYIPVPDFRAYLLGGLMAFL  
 LVVSVLFIYNSFKIDIMLWYRSAFHTAQAPDDEKLYDAYVLYPKYPRGSQGHVDVTLVLKILPEVLEKQC  
 GYKLFIFGRDEFPGQAVASVIDENIKLCRRLMVFVAPSSSFGFLKNLSEEQIAVYNALIQHGMKVI  
 LIELEKVKDYSTMPESIYIRQKHGAIQWDGDFTEQSQCAKTKFWKKVRYHMPPRRYPASSPVQLLGHIPCNC  
 KAGKCNAATGLITP

**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_133193.4</a>
<b>RefSeq Size:</b>	1950 bp
<b>RefSeq ORF:</b>	1725 bp
<b>Locus ID:</b>	107527
<b>UniProt ID:</b>	<a href="#">Q9ERS7</a>
<b>Cytogenetics:</b>	1 B
<b>Gene Summary:</b>	Receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways. The IL-36 signaling system is thought to be present in epithelial barriers and to take part in local inflammatory response; it is similar to the IL-1 system. Seems to be involved in skin inflammatory response by induction of the IL-23/IL-17/IL-22 pathway.[UniProtKB/Swiss-Prot Function]