

## Product datasheet for **MG203789**

### **Il1r2 (BC032962) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il1r2 (BC032962) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Il1r2  
**Synonyms:** CD121b; Il1r-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203789 representing BC032962  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTGTGGAACCAAGGTCTTTAAGAATACTGAAGCATCTCTGCCTCATGTCTCCTACTTGCAAATCT  
 CAGCTCTCTCCACCACCGGGTACTAGTGTGCCCTGACCTGAAAGAATTCATCTCCAGCAACGCTGATGG  
 AAAGATACAGTGGTATAAGGGCGCCATACTCTGGATAAAGGCAATAAGGAATTTCTGAGTGCAGGAGAC  
 CCCACACGCCTATTGATATCCAACACGTCCATGGACGATGCAGGCTATTACAGATGTGTTATGACATTTA  
 CCTACAATGGCCAGGAATACAACATCACTAGGAATATTGAACTCCGGGTCAAAGGAACAACCACGGAACC  
 CATCCCTGTGATCATTTCTCCCCTGGAGACAATACCAGCATCATTGGGGTCAAGACTGATAGTCCCGTGC  
 AAAGTGTCTTCTGGAACTGGTACATCTTCCAACACCATTGTGTGGTGGTTGGCTAACAGCACGTTTATCT  
 CGGCTGCTTACCAAGAGGCCGTGTGACCGAGGGGCTACACCCCACTACTCAGAGAATGATGAAAATA  
 TGTGGAAGTGTGCTGATTTTTGATCCAGTCACAAGGGAGGATCTGCATACAGATTTTAAATGTGTTGCC  
 TCGAATCCACGGAGTTCTCAGTCACTCCATACCACAGTCAAAGAAGTCTTCCACGTTCTCCTGGAGCA  
 TTGCGCTGGCACCTCTGTCTGATCATCTTGGTTGTGGGGCAATATGGATGCGCAGACGGTGTAAACG  
 CAGGGCTGGAAGACATATGGACTGACCAAGCTACGGACTGACAACCAGGACTTCCCTTCCAGCCCAAC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >MG203789 representing BC032962  
 Red=Cloning site Green=Tags(s)

MSVELKVFKNTEASLPHVSYLQISALSTTGLLVCPDLKEFISSNADGKIQWYKGAILLDKGNKEFLSAGD  
 PTRLLISNTSMDDAGYYRCVMTFTYNGQEYNITRNIELRVKGTTEPIPVIIISPLETIPASLGSRLIVPC  
 KVFLGTGTSSNTIVWLANSTFISAAYPRGRVTEGLHPQYSENDENYVEVSLIFDPVTREDLHTDFKCV  
 A SNPRSSQSLHTTVKEVSSTFSWSIALAPLSLIILVVGAIWMRRRCKRRAGKTYGLTKLRTDNQDFPSSPN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC032962

**ORF Size:** 840 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:** [BC032962](#), [AAH32962](#)

**RefSeq Size:** 1096 bp

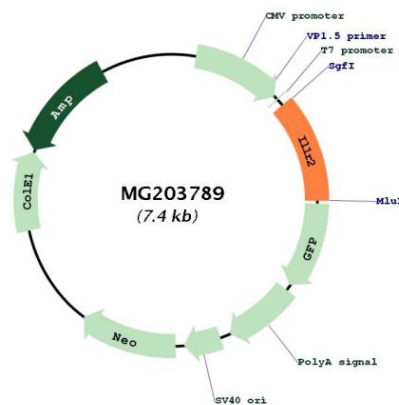
**RefSeq ORF:** 842 bp

**Locus ID:** 16178

**Cytogenetics:** 1 18.65 cM

**Gene Summary:** Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG203789