

## Product datasheet for MC213036

### Il22ra2 (NM\_178258) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Il22ra2 (NM_178258) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il22ra2
Synonyms:	CRF2-10; CRF2-s1; CRF2X; Il-22bp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC213036 representing NM_178258 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCCTAAGCATTGCCTTCTAGGTCTCCTCATCATACTCTTGAGCAGTGCAACAGAAATACAACCAG  
CTCGTGTATCTCTGACGCCCCAGAAGGTCGATTCAGTCCAGAAATTTCCACAATATTTTGCCTGGCA  
AGCAGGGAGCTCTCTCCCAGCAACAACAGCATCTACTTGTGCAAGTGTATGGACAGAGCCAA  
TGGGAAGATAAAGTTGACTGCTGGGGACCACGGCGCTTCTGTGACCTGACCAATGAAACCTTAGACC  
CATAACGAGCTGTATTACGGGAGGGTGATGACGGCCTGTGCTGGACGCACTCTGCCTGGACCAGGACACC  
CCGCTTCACTCCATGGTGGGAAACAAAACCTAGATCCTCCGGTCTGACTATAACCCGAGTTAACGCATCT  
TTGCGGGTGCTTCTCCGTCTCCAGAGTTGCCAAATAGAAACCAAGTGAAAAAATGCATCCATGGAAA  
CTTACTACGGCTTAGTATACAGAGTTTTCAACAATCAACAATTCCTAGAGAAAGGAGCAAAAAGCCTATGA  
AGGAACTCAGAGAGCTGTTGAAATTGAAGGTCTGATACCTCATTCCAGCTACTGCGTAGTGGCTGAAATG  
TACCAGCCATGTTTGACAGAAGAAGCCCAAGAAGCAAGGAGAGATGTGTGCACATTCCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja2238_b10.zip">https://cdn.origene.com/chromatograms/ja2238_b10.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178258
Insert Size:	693 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_178258.5](#), [NP\\_839989.2](#)

**RefSeq Size:** 2468 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 237310

**UniProt ID:** [Q80XF5](#)

**Cytogenetics:** 10 A3

**Gene Summary:** Receptor for IL22. Binds to IL22, prevents interaction with the functional IL-22R complex and blocks the activity of IL22 (in vitro). May play an important role as an IL22 antagonist in the regulation of inflammatory responses.[UniProtKB/Swiss-Prot Function]