

Product datasheet for **MR220602**

Il22ra2 (NM_178258) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il22ra2 (NM_178258) Mouse Tagged ORF Clone
Tag: Myc-DDK
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)
ORF Nucleotide Sequence: >MR220602 representing NM_178258
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCCTAAGCATTGCCTTCTAGGTCTCCTCATCATACTCTTGAGCAGTGCAACAGAAATACAACCAG
CTCGTGTATCTCTGACGCCCCAGAAGTCCGATTCAGTCCAGAAATTTCCACAATATTTTGCACCTGGCA
AGCAGGGAGCTCTCTCCCAGCAACAACAGCATCTACTTTGTGCAAGTGTATGGACAGAGCCAA
TGGGAAGATAAAGTTGACTGCTGGGGACCACGGCGCTCTCTGTGACCTGACCAATGAAACCTTAGACC
CATAACGAGCTGTATTACGGGAGGTGATGACGGCCTGTGCTGGACGCCACTCTGCCTGGACCAGGACACC
CCGCTTCACTCCATGGTGGGAAACAAAACCTAGATCCTCCGGTCTGACTATAACCCGAGTTAACGCATCT
TTGCGGGTGTCTTCCGCTCCTCCAGAGTTGCCAAATAGAAACCAAGTGGAAAAATGCATCCATGGAAA
CTTACTACGGCTTAGTATACAGAGTTTTCAACAATCAACAATCACTAGAGAAGGAGCAAAAAGCCTATGA
AGGAACTCAGAGAGCTGTTGAAATTGAAGGTCTGATACCTCATTCCAGCTACTGCGTAGTGGCTGAAATG
TACCAGCCCATGTTTGACAGAAGAAGCCCAAGAAGCAAGGAGAGATGTGTGCACATTCCA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220602 representing NM_178258
Red=Cloning site Green=Tags(s)

MMPKHCLLGLLIILLSSATEIQPARVSLTPQKVRVQSRNFHNLHWQAGSSLPNNSIYFVQYKMYGQSQ
 WEDKVDWCWGTALFCDLNETLDPYELYYGRVMTACAGRHSWTRTPRFTPWWETKLDPPVVTITRVNAS
 LRVLLRPPPELNRNQSGKNASMETYYGLVYRVFTINNSLEKEQKAYEGTQRAVEIEGLIPHSSYCVVAEM
 YQPMFDRRSPRSKERCVHIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178258

ORF Size: 690 bp

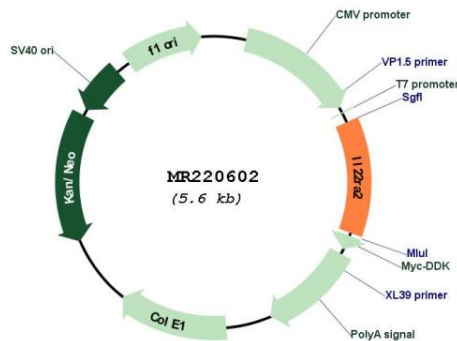
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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](#)

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:	<ol style="list-style-type: none"> 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:	<u>NM_178258.5, NP_839989.2</u>
RefSeq Size:	2468 bp
RefSeq ORF:	693 bp
Locus ID:	237310
UniProt ID:	<u>Q80XF5</u>
Cytogenetics:	10 A3
MW:	27.1 kDa
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]

Product images:



Circular map for MR220602