

Product datasheet for **MG202790**

Rfxap (NM_133231) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rfxap (NM_133231) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Rfxap
 Synonyms: 5730495K23Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG202790 representing NM_133231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ACGGAGGCGCAGGCTGTGCCGAGGGCTCGGGCCGAGCACCGCCAGTCCCCGGACGGCCCTCCGGTGA
 CGGTGCTGGTGTGCGGCAGGACGAGGCCGAGGCCGAGCGGCTCTGAGGCCGGCCTGGCGGGAGTGA
 GGCGGCCGAGACGCCGAGGACGAGGCCGGGGACGACGACGCCGACCTGCTGGACACATCGGACCCGGCG
 GCGGCCGCGAGAGTGCGCCAGCCGGAGGAGCTGGAGGACGAGGACCGGAGGGTGGCGGCCAGCGC
 GCAGGCGAGGCTCCAAGACCTGCACGTACGAGGGCTGCCGCGAGACCACCAGCCAGTGGCCAAGCAGCG
 CAAGCCCTGGATGTGCAAGAAGCACCGCAACAAGATGTACAAGGACAAGTACAAGAAGAAGAAGAGCGAC
 CAGGCACTGGGCTCTGGCGGCCCGTCCGCGCCAGCACAGGCAACGTCAAAGTGGAGGAAAGCACAGACA
 ACATACTCTCCATTGTCAAACAGAGAACAGGATCCTTTGGTGATCGCCCTGCAAGACCTACTCTTTAGTA
 GCAAGTGTAAATCAGAAAAGACTGTCACTACTAAGAAGTCCAGAAGTTGTCCAGTTTTTACAGAAGCAG
 CAGCAGCTACTAAATCAGCAAGTTTTGGAGCAAAGACAGCAGCATTTCAGGAGCGCCAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202790 representing NM_133231
 Red=Cloning site Green=Tags(s)

TEAQAVPEGSGPSTASPRTPAPPVTVLVMRQDEAEADGALRPLAGSEAAADAEDAEGDDADLLDTS
 DPA GGGESAASPEELEDADAEGGGAARRRGSKTCTYEGCRETTSQVAKQRKPWMCKKHRNKMYKDYK
 KKKSD QALGSGGPSAASTGNVKLEESTDNILSIVKQRTGSFGDRPARPTLLEQVLNQRKLSLLRSPEV
 VQFLQKQ QQLLNQVLEQRQHFPGAPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133231

ORF Size: 693 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_133231.2](#), [NP_573494.1](#)

RefSeq Size: 2185 bp

RefSeq ORF: 696 bp

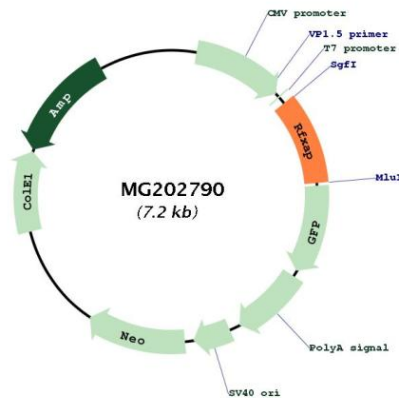
Locus ID: 170767

UniProt ID: [Q8VCG9](#)

Cytogenetics: 3 C

Gene Summary: Part of the RFX complex that binds to the X-box of MHC II promoters.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202790