

Product datasheet for **MG211327**

Rfx1 (NM_009055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfx1 (NM_009055) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rfx1
Synonyms:	AI047719; AI385641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211327 representing NM_009055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACACAGTCTATGTTACTGAGCTACAGGCAGCCCCACAAGCATCCCAGCCGCCACAGGCCCCCG
 CCCAGGCCCTGCCAGCCAGCCACCACCCAGCAGCACCCAGCCTCCTGCTGCAGCAACCCCCAGCCCA
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 GAGCTCCCTGCTGCCCTGCACCCTCACAGCTGCCACACCTGCCCATCCCCTGTGGCTCAGCAGTATA
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 CCGCACTAGGCCCTGAAGCTCTGGAGCCACCAGCGAACTGGCGGGACTGACACTCGTGGCCTCTTTGT
 GCAGGCCCTGCCCTCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211327 representing NM_009055
 Red=Cloning site Green=Tags(s)

MATQSYVTE LQAAPQASQPPQAPPQALPQPPPPAAPQPPAAATPQPQYVTE LQSPQPQTQPPGSQKQYVA
 ELPAAPAPSQPATPAPSPVAQQYIVVTVSEGAMRASETVSEASPSSTASQTGVPTQVVQQVQGTQQRLLV
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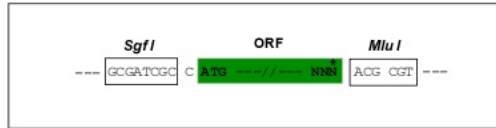
TRTRPLE - GFP Tag - V

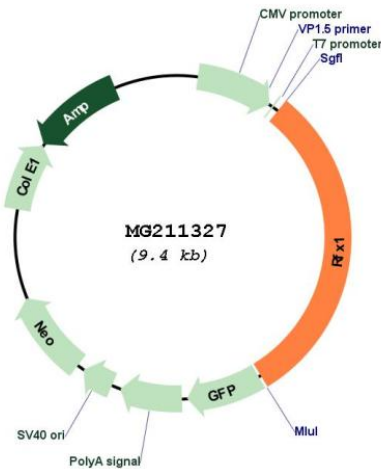
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_009055

ORF Size: 2889 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_009055.4](#)

RefSeq Size: 4153 bp

RefSeq ORF: 2892 bp

Locus ID: 19724

UniProt ID: [P48377](#)

Cytogenetics: 8 40.28 cM

Gene Summary: Regulatory factor essential for MHC class II genes expression. Binds to the X boxes of MHC class II genes (By similarity).[UniProtKB/Swiss-Prot Function]