

Product datasheet for **MG221105**

Rnf157 (NM_027258) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf157 (NM_027258) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf157
Synonyms:	2610036E23Rik; A130073L17Rik; mKIAA1917
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG221105 representing NM_027258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGGGCCCTGACGAGCCGGCAGCACGCGGGCGTGGAGGAGGTGGACATCCCGTCCAATCCCGTGTACC
 GCTACCCGCCCAAGTCCGGCAGCTATTTTGCCAGCCACTTCATCATGGGAGGAGAGAAGTTTGACTCCAC
 GCATCCGGAGGGTTACCTGTTTGCGGAGAACAGCGACCTGAACCTCCTGGGAAACAGGCCGGTGGCGTTC
 CCTTACGCTGCCCGCCTCCCAAGAACCTGTGAAGACTCTGAGAAGCCTGATCAACATCCGGAAGGACA
 CGCTGAGACTTGTCAAATGTGCTGAGGAAGTGAAGAGCCACGGAGAAGAGGCAGGCAAAGCTAAGGTCCA
 CTACAATGTCGAGTTCACCTTTGACACAGATGCCCGGTAGCCATCACCATCTACTACCAGGCCACTGAG
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 TCTGAGGAGCATTATCTCAGAGAATACCCCCGGGCTATGAAGTGGTGTCTCTCTCCTCGAGGCCCTCA
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 CCTTCAGAAGGAGAGGAGACACCAGCAGAGTCCCAGACAGCAATTCGCTGGCCTTCCAGCTGGAGAGC
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 ATGCGCATTTCTAGGCATGGAGTGTGACAATAACAATGACTTTGACGTCGCAAGCGTGAAAGCACTGGAC
 AATAAGCTGTGCTCTGAGGTCTGCTTACCCGGTACCTGGCAGCATGAGGATAAACTGTCAACTGTGCGC
 ATACCCAGCGCCGGCCTTATCTCCAGCAGCTGGAGGACCCTGAGGAGAACAGGCCTTGTGTATGGGA
 TCCTATGGCTGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

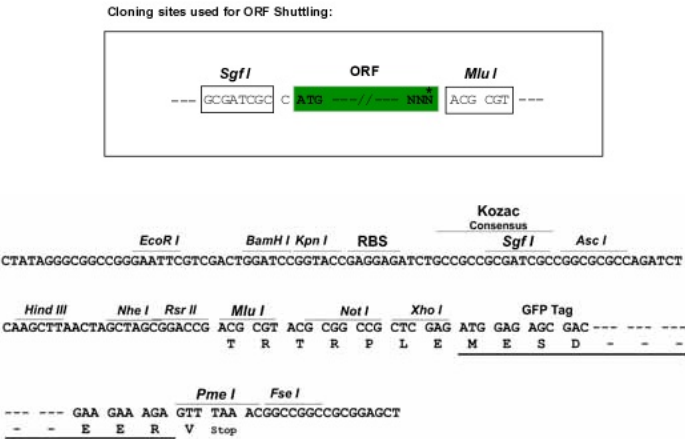
Protein Sequence: >MG221105 representing NM_027258
 Red=Cloning site Green=Tags(s)

MGALTSRQHAGVEEVDIPSNSVYRYPKSGSYFASHFIMGGEKFDSTHPEGYLFGENSDLNFLGNRPVAF
 PYAAPPQEPVKTLRSLINIRKDTLRLVKCAEEVKSHGEEAGKAKVHYNVEFTFDTDARVAITIIYYQATE
 EFQNGIASYIPKDNSLQSETVHYKRGVCQQFCLPSHTVDPSEWAEELGFDLDREVYPLVVHAVVDEGDE
 YFGHCHVLLGTFEKHPDGTFCVKPLKQKQVVDGVSYLLQEIYGIENKYNTQDSKVAEDDVSDNSAECVVC
 LSDVRDTLILPCRHLCLCNTCADTLRYQANNCPICRLPFRALLQIRAMRKKLGPLSPSSFNPIISSQTS
 SEEHSSSENIPPGYEVVSLLEALNGPLTSSPAVPPLHVLGDGHLSGMLPSYSGSDGYLPPVRTLSPDLRLS
 DCNNQGLKLKSLSKSISQNSSVLHEEEDERSCESDTQLSQRLSVQHPEEGPDVTPESENLTLSSSGAV
 DQSSCTGTPLSSTISSPEDPASSLAQSVMASSQISTDTVSSMSGSYIAPGTEEEGEALSPRAASRA
 PSEGEETPAESPDNFAGLPAGEQDAEGNDIIEEEDRSPVREDGQRTCAFLGMECDNNDFDVASVKALD
 NKLCEVCLPGTWQHEDNTVNCRHTQRRRLSSSLEDPEENRPCVWDPMVA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_027258

ORF Size: 2043 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027258.1](#), [NP_081534.1](#)

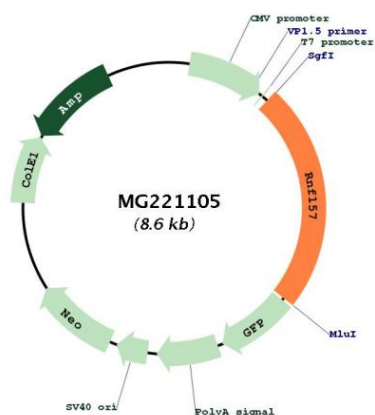
RefSeq Size: 4655 bp

RefSeq ORF: 2046 bp

Locus ID: 217340

Cytogenetics: 11 E2

Product images:



Circular map for MG221105