

Product datasheet for **MG210617**

Rtn1 (NM_153457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn1 (NM_153457) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rtn1
Synonyms:	Nsp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210617 representing NM_153457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCACCGCCGGATCTGCAAGATGAGCCGCTGTCTCTGGGTAGCCCGGGTCCAGTGGTTCGGGG
 GCCGGGGGGATGGGAAGACGAAGCGACGCGGTGATGGGGGCCAGGCCAGCGCAGCAGGATGGGGAGCC
 CGCCTGGGGTTCGGGCGCTGGAGCTGGGGTAACGTCGTCGCGGGAAGTGTCTCCGGCCCGCCCGTCCG
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 AAAATCCCCGGCCCAAGAGGCACGCTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210617 representing NM_153457
 Red=Cloning site Green=Tags(s)

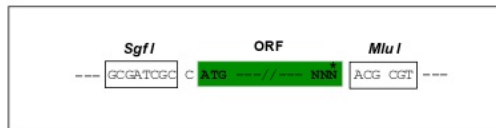
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 LALAALSATISFRIYKSVLQAVQKTDGHPFKAYLELEITLSQEIQKYTDCLQLYVNSTLKELELRLFLV
 QDLVDSLKFAVLMWLLTYVGFNGLTLLLMVVSMFTLPVVVYVKHQAVDQYLGLVRTHINTVVAKIQA
 KIPGAKRHAE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_153457

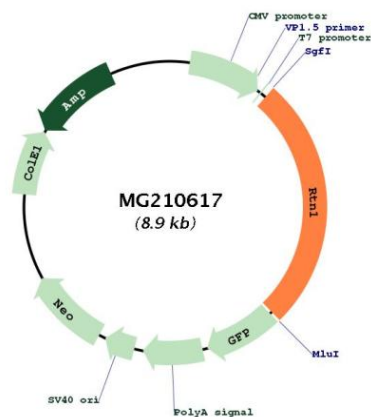
ORF Size: 2340 bp

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:	<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:	NM_153457.7
RefSeq Size:	3530 bp
RefSeq ORF:	2343 bp
Locus ID:	104001
UniProt ID:	Q8K0T0
Cytogenetics:	12 C3
Gene Summary:	May be involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210617