

Product datasheet for **MG205432**

Rfc3 (NM_027009) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfc3 (NM_027009) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rfc3
Synonyms:	38kDa; 2810416I22Rik; AU022547; Recc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205432 representing NM_027009 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTCTGGGTGGACAAGTACCGCCGAGCTCCCTTGCCCGCTGGACTATCATAAGGAACAGGCAG
CACAGCTGCGCAACCTGGTGCAGTGTGGAGACTTTCCTCACCTCTTAGTATATGGACCATCAGGTGCTGG
AAAAAAGACAAGAATTATGTGTATTCTACGTGAACCTTTATGGTATCGGGGTGGAAAACTGAGAATTGAG
CATCAGACTATCACAACCCCGTCTAAAAAATAATGAAATCAGCACCATTGCAAGCAACTACCACCTTG
AAGTTAATCCCAGTGATGCGGGGAACAGCGACCGAGTTGTAATTCAGGAGATGCTGAAGACAGTGGCACA
GTCACAACAACCTTGAAACCAGCTCACAAGAGACTTCAAAGTGGTATTATTGACAGAGGTGGACAAACTC
ACAAAGGATGCTCAGCATGCCTTACGCAGAACTATGGAGAAATACATGTCTACCTGCAGGCTCATCTTGT
GCTGCAATCCACATCTAAGGTGATACCCCGATCCGAAGCAGGTGCCTGGCAGTTCTGTGCTGCTCC
CAGCATCGAAGATATTTGCAGTGTACTATCCACTGTCTGCAGGAAGGAAGTCTGGCTCTCCCTTCGACA
TTGGCCCGTAGGCTGGCCGAGAAGTCTGCGGAAACCTCAGGAAAGCCTTACTTATGTGTGAGGCCCTGCA
GAGTGCAGCAATACCCTTTACGGAAGACCAAGAAATCCCAGAGACAGACTGGGAGGTGTATCTGAGGGA
GACCGCAAATGCTATTGTCTAGTCAGCAGACGCCACAGAGGCTCCTTGAAGTCCGTGGAAGGCTCTATGAG
CTTCTAACTCATTGTATTCTCCTGAGATAATAATGAAGGGCCTCCTCAGAACTCCTCATAACTGTG
ATGGGCAGCTGAAAGGGGAAGTGGCACAGATGGCAGCCTACTATGAGCACCGACTACAGCTGGGCAGCAA
AGCCATTTATCATTTGGAAGCATTGTGGCGAAGTTTATGGCACTTTATAAGAAGTTCATGGAGGATGGA
CTGGAAGGCATGATGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205432 representing NM_027009
 Red=Cloning site Green=Tags(s)

MSLWVDKYRPSSLARLDYHKEQAAQLRNLVQCGDFPHLLVYGPSGAGKKTRIMCILRELYGIGVEKLRIE
 HQTITTPSKKKIEISTIASNYHLEVNPSDAGNSDRVVIQEMLKTVAQSQQLETSSQRDFKVVLLTEVDKL
 TKDAQHALRRRTMEKYMSTCRLILCCNSTSKVIPPPIRSRCLAVRVPAPSIEDICSVLSTVCRKEGLALPST
 LARRLAEKSCRNLRKALLMCEACRVQYQPFTEDEIPETDWEVYLRETANAIVSQQTPQRLLLEVRGRLYE
 LLTHCIPPEIIMKGLLSELLHNCDOGQLKGEVAQMAAYEHLRLQLGSKAIYHLEAFVAKFMALYKFKMEDG
 LEGMMF

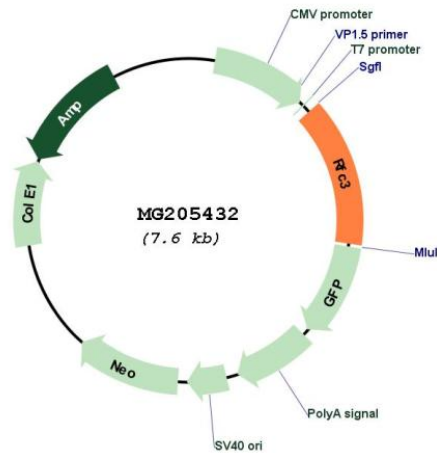
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027009

ORF Size:	1068 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_027009.1 , NP_081285.1
RefSeq Size:	1217 bp
RefSeq ORF:	1071 bp
Locus ID:	69263
UniProt ID:	Q8R323
Cytogenetics:	5 G3
Gene Summary:	The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins proliferating cell nuclear antigen (PCNA) and activator 1. [UniProtKB/Swiss-Prot Function]