

Product datasheet for **RG218594**

RFP2 (TRIM13) (NM_001007278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RFP2
Synonyms:	CAR; DLEU5; LEU5; RFP2; RNF77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218594 representing NM_001007278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGATGTGATGGAGCTGCTTGAAGAAGATCTCACATGCCCTATTTGTTGTAGTCTGTTGATGATCCAC
GGGTTTTGCCTTGCTCCCACACTTCTGCAAAAAATGCTTAGAAGGTATCTTAGAAGGGAGTGTGCGGAA
TTCTTGTGGAGACCAGCTCCATTCAAGTGTCTACATGCCGTAAGGAACTTCAGCTACTGGAATTAAT
AGCCTGCAGGTAACTACTCCCTGAAGGTATTGTGAAAAAGTATAACAAGATCAAGATCTCTCCAAAA
TGCCAGTATGCAAAGGACACTTGGGGCAGCCTCTCAACATTTTCTGCCTGACTGATATGCAGCTGATTTG
TGGGATCTGTGCTACTCGTGGGAGCACACCAACATGTCTTCTGTTCTATTGAAGATGCCTATGCTCAG
GAAAGGGATGCCTTTGAGTCCCTCTCCAGAGCTTTGAGACCTGGCGTCGGGGAGATGCTCTTTCTCGCT
TGGATACCTTGGAAGTAGTAAGAGGAAATCCCTACAGTTACTGACTAAAGATTCAGATAAAGTGAAGGA
ATTTTTTGAGAAGTTACAACACACACTGGATCAAAAGAAGAATGAAATTCTGTCTGACTTTGAGACCATG
AACTTGCTGTTATGCAAGCATATGACCCAGAGATCAACAACTCAACACCATCTTGCAAGGAGCAACGGA
TGGCCTTTAATGCTGAGGCTTTCAAAGATGTGTCAGAACCATTGTATTTCTGCAACAGATGCAGGA
GTTTAGAGAGAAAAATCAAAGTAATCAAGGAACTCCTTACCTCCCTCTAATTTGCCTGCAAGCCCTTTA
ATGAAGAAGCTTTGATACCACTCAGTGGGAAGACATAAACTAGTCGATGTGGATAAACTTTCTTTGCTC
AAGACACTGGCACATTCATTAGCAAGATTCCTGGAGCTTTTATAAGTTATTTTGTAAATCCTTCTGCT
TGGCCTTGTATTGCTTTGGTCTACCATGTTCTAGAAATGGTCATTATTTGATGACCTGGCAACTTGG
AAAGGCTGCTTTCAACTTCAGTTCCTATCTGACTAAACAGCCGATTCATAGACAATCAGTTTTTT
ACTGGGAACAGGTGACAGATGGGTTTTTCATTTTCAATGAAAGATTCAAGAATTTTACTTTGGTGGTACT
GAACAATGTGGCAGAATTTGTGTGCAAAATATAAACTATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG218594 representing NM_001007278
Red=Cloning site Green=Tags(s)

MDVMELLEEDLTCPICCSLFDDPRVLPCHNFCKKCLEGILEGSRNSLWRPAPFKCPTCRKETSATGIN
SLQVNYSLKGIKVEKYNKIKISPKMPVCKGHLGQPLNIFCLTDMQLICGICATRGEHTKHVFCSEDAYAQ
ERDAFESLFQSFETWRRGDALSRDLTLETSKRSLQLLTKDSDKVKEFFEKLQHTLDQKKNEILSDFETM
KLAVMQAYDPEINKLNTILQEQRMAFNIAEAFKDVSEPIVFLQMQEFREKIKVIKETPLPPSNLPASPL
MKNFDTSQWEDIKLVVDKLSLPQDTGTFISKIPWSFYKFLILLGLVIVFGPTMFLEWSLFDDLATW
KGCLSNFSSYLTKTADFIEQSVFYWEQVTDGFFIFNERFKNFTLVVLNNVAEFVCKYKLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007278

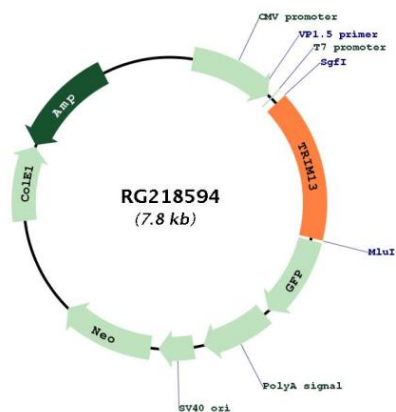
ORF Size: 1230 bp

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_001007278.3
RefSeq Size:	6975 bp
RefSeq ORF:	1233 bp
Locus ID:	10206
UniProt ID:	O60858
Cytogenetics:	13q14.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This gene is located on chromosome 13 within the minimal deletion region for B-cell chronic lymphocytic leukemia. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218594