

Product datasheet for **RG200851**

RFP2 (TRIM13) (NM_052811) 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: >RG200851 representing NM_052811
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCTTGAAGAAGATCTCACATGCCCTATTTGTTGTAGTCTGTTGATGATCCACGGGTTTTCG
CTTGCTCCCACTTCTGCAAAAAATGCTTAGAAGGTATCTTAGAAGGGAGTGTGCGGAATTCCTTGTG
GAGACCAGCTCCATTCAAGTGTCTACATGCCGTAAGGAACTTCAGCTACTGGAATTAATAGCCTGCAG
GTAAATTACTCCCTGAAGGGTATTGTGAAAAGTATAACAAGATCAAGATCTCTCCAAAAATGCCAGTAT
GCAAAAGGACACTTGGGGCAGCCTCTCAACATTTCTGCCTGACTGATATGCAGCTGATTTGTGGGATCTG
TGCTACTCGTGGGGAGCACACCAACATGTCTTCTGTTCTATTGAAGATGCCTATGCTCAGGAAAGGGAT
GCCTTTGAGTCCCTCTCCAGAGCTTTGAGACCTGGCGTGGGGAGATGCTCTTCTCGCTTGGATACCT
TGGAAGTACTAGTAAGAGGAAATCCCTACAGTTACTGACTAAAGATTCAGATAAAGTGAAGGAATTTTGA
GAAGTTACAACACACACTGGATCAAAAGAAGAATGAAATTCGTCTGACTTTGAGACCATGAACTTGCT
GTTATGCAAGCATATGACCCAGAGATCAACAACTCAACACCATCTTGCAGGAGCAACGGATGGCCTTTA
ACATTGCTGAGGCTTTCAAGATGTGTGAGAACCATTTGATTTCTGCAACAGATGCAGGAGTTTAGAGA
GAAATCAAAGTAAATCAAGGAACTCCTTACCTCCCTCAATTTGCCTGCAAGCCCTTTAATGAAGAAC
TTTGATACCACTGAGTGGGAAGACATAAACTAGTCGATGTGGATAAACTTTCTTGCCTCAAGACACTG
GCACATTATTAGCAAGATTCCTGGAGCTTTTATAAGTTATTTTGTCTAATCTTCTGCTTGGCCTTGT
CATTGTCTTTGGTCTACCATGTTCTAGAAATGGTCATTATTTGATGACCTGGCAACTTGGAAAGGCTGT
CTTTCAAATTCAGTTCTATCTGACTAAACAGCCGATTTTCATAGAACAATCAGTTTTTACTGGGAAC
AGGTGACAGATGGGTTTTTCATTTTCAATGAAAGATTCAAGAATTTTACTTTGGTGGTACTGAACAATGT
GGCAGAATTTGTGTGCAATATAAACTATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG200851 representing NM_052811
Red=Cloning site Green=Tags(s)

MELLEEDLTCPICCSLFDDPRVLPCHNFCKKCLEGILEGSVRNSLWRPAPFKCPTCRKETSATGINSLQ
VNYSKLGIVEKYKIKIKISPKMPVCKGHLGQPLNIFCLTDMQLICGICATRGEHTKHVFCSDIAYAQERD
AFESLFQSFETWRRGDALSRDLTLETSKRKSLQLLTKDSDKVKEFFEKLQHTLDQKKNEILSDFETMKLA
VMQAYDPEINKLNTILQEQRMAFNIAEAFKDVSEPIVFLQQMQEFREKIKVIKETPLPPSNLPASPLMKN
FDTSQWEDIKLVVDKLSLPQDTGTFISKIPWSFYKLLILLGLVIVFGPTMFLEWSLFDDLATWKGK
LSNFSYLTKTADFIEQSVFYWEQVTDGFFIFNERFKNFTLVVLNNVAEFVCKYKLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052811

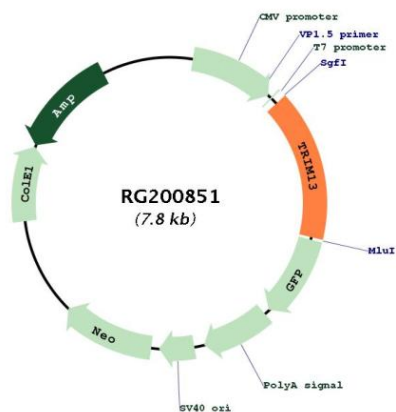
ORF Size: 1221 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_052811.4</u>
RefSeq Size:	6861 bp
RefSeq ORF:	1224 bp
Locus ID:	10206
UniProt ID:	<u>O60858</u>
Cytogenetics:	13q14.2
Domains:	zf-B_box, RING
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 RG200851