OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG213967

TRBP (TARBP2) (NM_134323) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRBP (TARBP2) (NM_134323) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TARBP2
Synonyms:	LOQS; TRBP; TRBP1; TRBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213967 representing NM_134323
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAAGAGGAGCAAGGCTCCGGCACTACCACGGGCTGCGGGCTGCCTAGTATAGAGCAAATGCTGG
CCGCCAACCCAGGCAAGACCCCGATCAGCCTTCTGCAGGAGTATGGGACCAGAATAGGGAAGACGCCTGT
GTACGACCTTCTCAAAGCCGAGGGCCAAGCCCACCAGCCTAATTTCACCTTCCGGGTCACCGTTGGCGAC
ACCAGCTGCACTGGTCAGGGCCCCAGCAAGAAGGCAGCCAAGCACAAGGCAGCTGAGGTGGCCCTCAAAC
ACCTCAAAGGGGGGAGCATGCTGGAGCCGGCCCTGGAGGACAGCAGTTCTTTTTCTCCCCTAGACTCTTC
ACTGCCTGAGGACATTCCGGTTTTTACTGCTGCAGCAGCTGCTACCCCAGTTCCATCTGTAGTCCTAACC
AGGAGCCCCCCCATGGAACTGCAGCCCCCTGTCTCCCCTCAGCAGTCTGAGTGCAACCCCGTTGGTGCTC
TGCAGGAGCTGGTGGTGCAGAAAGGCTGGCGGTTGCCGGAGTACACAGTGACCCAGGAGTCTGGGCCAGC
CCACCGCAAAGAATTCACCATGACCTGTCGAGTGGAGCGTTTCATTGAGATTGGGAGTGGCACTTCCAAA
AAATTGGCAAAGCGGAATGCGGCGGCCAAAATGCTGCTTCGAGTGCACACGGTGCCTCTGGATGCCCGGG
ATGGCAATGAGGTGGAGCCTGATGATGACCACTTCTCCATTGGTGTGGGCTCCCGCCTGGATGGTCTTCG
AAACCGGGGCCCAGGTTGCACCTGGGATTCTCTACGAAATTCAGTAGGAGAGAAGATCCTGTCCCTCCGC
AGTTGCTCCCTGGGCTCCCTGGGTGCCCTGGGCCCTGCCTGCTGCCGTGTCCTCAGTGAGCTCTCTGAGG
AGCAGGCCTTTCACGTCAGCTACCTGGATATTGAGGAGCTGAGCCTGAGTGGACTCTGCCAGTGCCTGGT
GGAACTGTCCACCCAGCCGGCCACTGTGTGTCATGGCTCTGCAACCACCAGGGAGGCAGCCCGTGGTGAG
GCTGCCCGCCGTGCCCTGCAGTACCTCAAGATCATGGCAGGCAGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

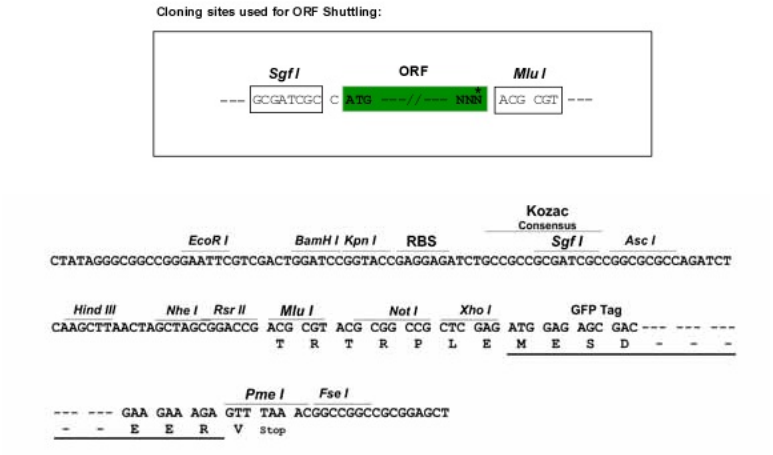
>RG213967 representing NM_134323
Red=Cloning site Green=Tags(s)

MSEEEQGSGTTTGCGLPSIEQMLAANPGKTPISLLQEYGTRIGKTPVYDLLKAEGQAHQPNFTFRVTVGD
TSCTGQGPSKKAAKHKAAEVALKHLKGGSMLEPALEDSSSFSPLDSSLPEDIPVFTAAAAATPVPSVVLT
RSPPMELQPPVSPQQSECNPVGALQELVVQKGWRLPEYTVTQESGPAHRKEFTMTCRVERFIEIGSGTSK
KLAKRNAAAKMLLRVHTVPLDARDGNEVEPDDDHFSIGVGSRLDGLRNRGPGCTWDSLRNSVGEKILSLR
SCSLGSLGALGPACCRVLSELSEEQAFHVSYLDIEELSLSGLCQCLVELSTQPATVCHGSATTREAARGE
AARRALQYLKIMAGSK

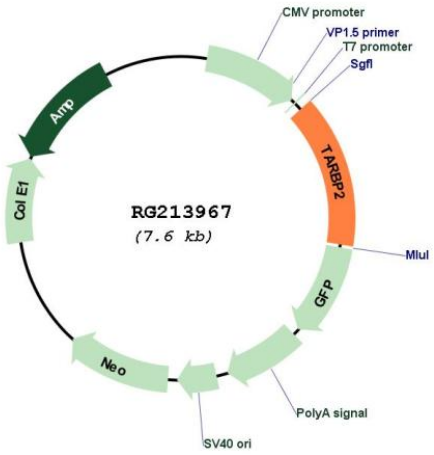
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134323

ORF Size:	1098 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.
RefSeq:	NM_134323.2
RefSeq Size:	1888 bp
RefSeq ORF:	1101 bp
Locus ID:	6895
UniProt ID:	Q15633
Cytogenetics:	12q13.13
Protein Families:	Stem cell - Pluripotency
Gene Summary:	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene binds between the bulge and the loop of the HIV-1 TAR RNA regulatory element and activates HIV-1 gene expression in synergy with the viral Tat protein. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene also has a pseudogene. [provided by RefSeq, Jul 2008]