

Product datasheet for **RG206071**

RO60 (NM_001042370) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RO60 (NM_001042370) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RO60
Synonyms:	RORNP; SSA2; TROVE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG206071 representing NM_001042370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGAATCTGTAAACCAATGCAGCCACTGAATGAGAAGCAGATAGCCAATTCTCAGGATGGATATG
 TATGGCAAGTCACTGACATGAATCGACTACACCGTTCTTATGTTTCGGTCTGAAGGTGGGACTTATTA
 TATCAAAGAACAGAAGTTGGGCCTTGAAATGCTGAAGCTTTAATTAGATTGATTGAAGATGGCAGAGGA
 TGTGAAGTGATACAAGAAATAAAGTCATTTAGTCAAGAAGGCAGAACCAAAAGCAAGAGCCTATGCTCT
 TTGCACCTTGCCATTTGTTCCAGTGCTCCGACATAAGCACAAAACAAGCAGCATTAAAGCTGTTTCTGA
 AGTTTGTGCGATTCTACCCATCTCTTTACTTTTATCCAGTTTAAGAAAGATCTGAAGGAAAGCATGAAA
 TGTGGCATGTGGGTCTGCCCTCCGGAAGGCTATAGCGGACTGGTACAATGAGAAAGGTGGCATGGCCC
 TTGCTCTGGCAGTTACAAAATATAAACAGAGAAATGGCTGGTCTCACAAGATCTATTAAGATTGCACA
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 GAATTGTATAAAGAAAAAGCACTCTCTGTGGAGACTGAAAAATTATTAAGTATCTGGAGGCTGTAGAGA
 AAGTGAAGCGCACAAAGAGATGAGCTAGAAGTCATTATCTAATAGAAGAACATAGATTAGTTAGAGAAC
 TCTTTTAACAATCACTTAAAGTCTAAAGAGGTATGGAAGGCTTTGTTACAAGAAATGCCGCTTACTGCA
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 ATTAGAACTTACAAGACAGGTCTGGTCTCAGAGGGAAGTGAAGTGGCGCCCTGATGAAGAAATTTG
 AAAGCATTGGATGCTGCTTTTATAAACATTTAAGACAGTTGAACCACTGGAAACGTTTCTTACTAG
 CTGTTGATGTCAGTGCTTCTATGAACCAAGAGTTTGGGTAGTATACTCAACGCTAGTACAGTTGCTGC
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 GAACTGATTGCTCTCTTCAATGATCTGGGCTCAGAAGACAAACACACCTGCTGATGTCTTCATTGTATT
 CACTGATAATGAGACCTTTGCTGGAGGTGTCCATCCTGCTATTGCTCTGAGGGAGTATCGAAAGAAATG
 GATATTCCAGCTAAATTGATTGTTTGTGAATGACATCAAATGGTTTACCATTGCAGACCCAGATGATA
 GAGGCATGTTGGATATGTGCGGCTTTGATACTGGAGCTCTGGATGAATTCGAAATTTACATTAGATAT
 GATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

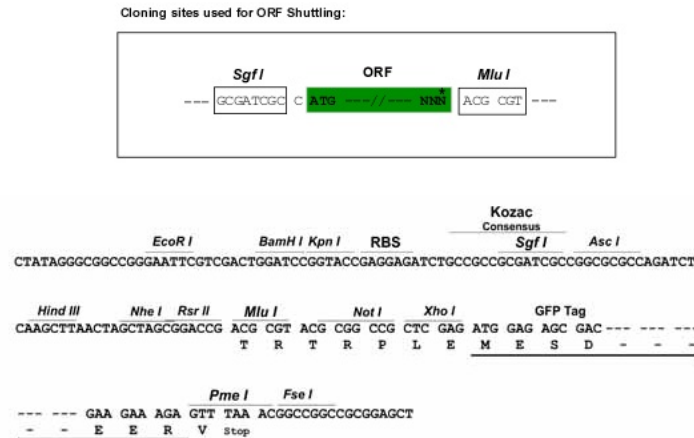
>RG206071 representing NM_001042370
 Red=Cloning site Green=Tags(s)

MEESVNMQPLNEKQIANSDGYVWQVTDNMRLHRFLCFGSEGGTYIYKEQKLGLENAEALIRLIEDGRG
 CEVIQEIKSFSQEGRTTKQEPMLFALAICSQCSDISTKQAAFKAVSEVCRIPTHLFTFIQFKKDLKESMK
 CGMWGRALRKAIDWYNEKGGMALALAVTKYKQRNGWSHKDLLRLSHLKPSSGLAIVTKYITKGWKEVH
 ELYKEKALSVETEKLLKYLEAVEKVKRTRDELEVIHLIEEHLVREHLLTNHLKSKEVWKALLQEMPLTA
 LLRNLGKMTANSVLEPGNSEVSLVCEKLCKNEKLLKKARIHPFHILIALETYKTGHGLRGKLRPDEEIL
 KALDAAFYKTFKVEPTGKRFLAVDVSASMNQVVLGSILNASTVAAAMCMVVRTEKDSYVVAFSDEMV
 PCPVTDTMTLQQVLMAMSQIPAGGDCSLPMIWAQKTNPADVFIVFTDNETFAGGVHPAIALREYRKKM
 DIPAKLIVCGMTSNGFTIADPDRGMLDMCGFDTGALDVIRNFTLDMI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001042370

ORF Size: 1614 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: [NM_001042370.1](#), [NP_001035829.1](#)

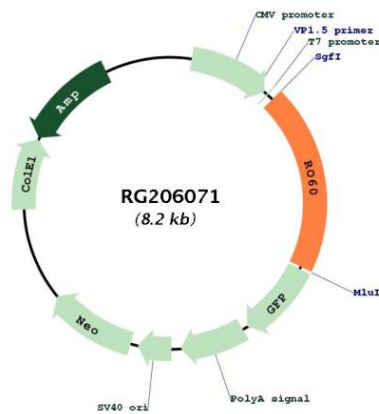
RefSeq Size: 1218 bp

RefSeq ORF: 1605 bp

Locus ID: 6738

UniProt ID:	P10155
Cytogenetics:	1q31.2
Protein Families:	Transcription Factors
Protein Pathways:	Systemic lupus erythematosus
Gene Summary:	RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs. May stabilize some of these RNAs and protect them from degradation (PubMed:18056422). Binds to endogenous Alu retroelements which are induced by type I interferon and stimulate porinflammatoxy cytokine secretion. Regulates the expression of Alu retroelements as well as inflammatory genes (PubMed:26382853).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206071