

Product datasheet for **RC214690**

RO60 (NM_001042369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RO60 (NM_001042369) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RO60
Synonyms:	RORNP; SSA2; TROVE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC214690 representing NM_001042369
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAATCTGTAACCAAAATGCAGCCACTGAATGAGAAGCAGATAGCCAATTCTCAGGATGGATATG
TATGGCAAGTCACTGACATGAATCGACTACACCGTTCTTATGTTTCGGTCTGAAGGTGGGACTTATTA
TATCAAAGAACAGAAGTTGGGCCTTAAAAATGCTGAAGCTTTAATTAGATTGATTGAAGATGGCAGAGGA
TGTGAAGTGATACAAGAAATAAAGTCATTTAGTCAAGAAGGCAGAACCAAAAGCAAGAGCCTATGCTCT
TTGCACCTGCCATTTGTTCCAGTGCTCCGACATAAGCACAAAACAAGCAGCATTAAAGCTGTTTCTGA
AGTTTGTGCGATTCTACCCATCTCTTACTTTTATCCAGTTAAGAAAGATCTGAAGGAAAGCATGAAA
TGTGGCATGTGGGTGCTGCCCTCCGGAAGGCTATAGCGGACTGGTACAATGAGAAAGGTGGCATGGCCC
TTGCTCTGGCAGTTACAAAATATAAACAGAGAAATGGCTGGTCTCACAAGATCTATTAAGATTGCACA
TCTTAAACCTTCCAGTGAAGGACTTGAATTGTGACCAAAATATATTACAAAGGGCTGAAAGAAGTTCAT
GAATTGTATAAAGAAAAAGCACTCTCTGTGGAGACTGAAAAATTATAAAGTATCTGGAGGCTGTAGAGA
AAGTGAAGCGCACAAGAGATGAGCTAGAAGTCATTCATCTAATAGAAGAACATAGATTAGTTAGAGAACA
TCTTTTAACAATCACTTAAAGTCTAAAGAGGTATGGAAGGCTTTGTTACAAGAAATGCCGCTTACTGCA
TTACTAAGGAATCTAGGAAAGATGACTGCTAATTCAGTACTTGAACCAGGAAATTCAGAAGTATCTTTAG
TATGTGAAAAACTGTGTAATGAAAACTATTAATAAAGGCTCGTATACATCCATTTTCATATTTTGATCGC
ATTAGAACTTACAAGACAGGTCATGGTCTCAGAGGAAACTGAAGTGGCGCCCTGATGAAGAAATTTG
AAAGCATTGGATGCTGCTTTTATAAACATTTAAGACAGTTGAACCAACTGGAAACGTTTCTTACTAG
CTGTTGATGTCAGTGCTTCTATGAACCAAGAGTTTTGGGTAGTATACTCAACGCTAGTACAGTTGCTGC
AGCAATGTGCATGGTTGTCACACGAACAGAAAAAGATTCTTATGTAGTTGCTTTTTCCGATGAAATGGTA
CCATGTCCAGTACTACAGATATGACCTTACAACAGGTTTTAATGGCTATGAGTCAGATCCAGCAGGTG
GAACTGATTGCTCTTCCAATGATCTGGGCTCAGAAGACAAACACACCTGCTGATGTCTTCATTGTATT
CACTGATAATGAGACCTTGTGGAGGTGCCATCCTGCTATTGCTCTGAGGGAGTATCGAAAGAAATG
GATATTCCAGCTAAATTGATTGTTTGTGGAATGACATCAATGGTTTACCATTGCAGACCCAGATGATA
GAGCCTTGCAAAATACCCTACTAATAAATCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214690 representing NM_001042369
Red=Cloning site Green=Tags(s)

MEESVNQMQLNEKQIANSQDGYVWQVDTMNRHLRFLCFGSEGGTYIYKEQKLGLENAEALIRLIEDGRG
CEVIQEIKSFSQEGRTTKQEPMLFALAIQCSQSDISTKQAAFKAIVSEVCRIPHLFTFIQFKDLKESMK
CGMWGRALRKAIDWYNEKGGMALALAVTKYQRNGWSHKDLLRSLKPSSEGLAIVTKYITKGWKEVH
ELYKEKALSVETEKLLKYLEAVEKVKRTRDELEVIHLIEEHLVREHLLTNHLKSKEVWKALLQEMPLTA
LLRNLGKMTANSVLEPGNSEVSLVCEKLCNEKLLKARIHPFHILIALETYKTGHGLRGKLRPDEEIL
KALDAAFYKTFKVEPTGKRFLAVDVSASMNQVLSILNASTVAAAMCMVTRTEKDSYVVAFSDEMVA
PCPVTTDMLQQVLMAMSQIPAGGTDGSLPMIWAQKTNPADVFIVFTDNETFAGGVHPAIALREYRKKM
DIPAKLIVCGMTSNGFTIADPDDRALQNTLLNKSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_e02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001042369

ORF Size: 1575 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_001042369.2](#)

RefSeq Size: 2087 bp

RefSeq ORF: 1578 bp

Locus ID: 6738

UniProt ID: [P10155](#)

Cytogenetics: 1q31.2

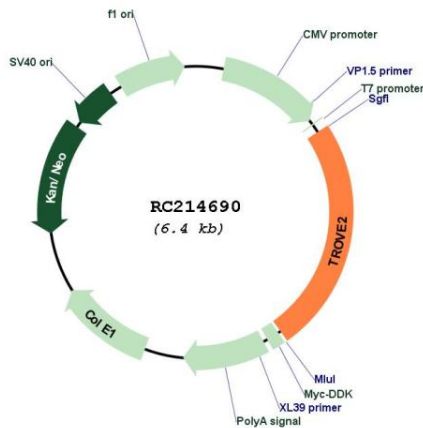
Protein Families: Transcription Factors

Protein Pathways: Systemic lupus erythematosus

MW: 59.1 kDa

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 proinflammatory cytokine secretion. Regulates the expression of Alu retroelements as well as inflammatory genes (PubMed:26382853).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214690