

Product datasheet for **SC311246**

RO60 (NM_001042370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RO60 (NM_001042370) Human Untagged Clone
Tag:	Tag Free
Symbol:	RO60
Synonyms:	RORNPN; SSA2; TROVE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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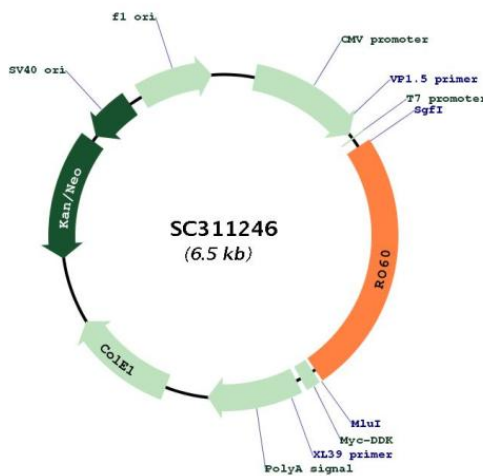
Fully Sequenced ORF:

>SC311246 representing NM_001042370.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAATCTGTAACCAAATGCAGCCACTGAATGAGAAGCAGATAGCCAATTCTCAGGATGGATAT
GTATGGCAAGTCACTGACATGAATCGACTACACCGGTTCTTATGTTTCGGTTCTGAAGGTGGGACTTAT
TATATCAAAGAACAAGATTGGGCCTTGAAAATGCTGAAGCTTTAATTAGATTGATTGAAGATGGCAGA
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CTCTTTGCACTTGCCATTTGTTCCAGTGCTCCGACATAAGCACAAAACAAGCAGCATTTAAAGCTGTT
TCTGAAGTTTGTGCGATTCTACCCATCTCTTTACTTTTATCCAGTTTAAAGAAAGATCTGAAGGAAAGC
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TGCAAAATACCCTACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN:	NM_001042370
Insert Size:	1605 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001042370.2</u>
RefSeq Size:	2091 bp
RefSeq ORF:	1605 bp
Locus ID:	6738
UniProt ID:	<u>P10155</u>
Cytogenetics:	1q31.2
Protein Families:	Transcription Factors
Protein Pathways:	Systemic lupus erythematosus
MW:	60.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 3, which has a longer and distinct C-terminus, compared to isoform 1.</p>