

Product datasheet for **SC328884**

RO60 (NM_001173524) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | RO60 (NM_001173524) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | RO60 |
| Synonyms: | RORNP; SSA2; TROVE2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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| Fully Sequenced ORF: | <p>>NCBI ORF sequence for NM_001173524, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAGGAATCTGTAAACCAATGCAGCCACTGAATGAGAAGCAGATAGCCAATTCTCAG GATGGATATGTATGGCAAGTCACTGACATGAATCGACTACACCGTTCTTATGTTTCGGT TCTGAAGTGGGACTTATTATATCAAAGAACAGAAGTTGGGCCTTGAAAACTGCTGAAGCT TTAATTAGATTGATTGAAGATGGCAGAGGATGTGAAGTGATACAAGAAATAAAGTCATTT AGTCAAGAAGGCAGAACCACAAAGCAAGAGCCTATGCTCTTTGCACTTGCCATTTGTCC CAGTGCTCCGACATAAGCACAAAACAAGCAGCATTAAAGCTGTTTCTGAAGTTTGTCCG ATTCTACCCATCTCTTTACTTTTATCCAGTTTAAAGAAAGATCTGAAGGAAAGCATGAAA TGTGGCATGTGGGGTCGTGCCCTCCGGAAGGCTATAGCGGACTGGTACAATGAGAAAAGGT GGCATGGCCCTTGCTCTGGCAGTTACAAAATAAACAGAGAAATGGCTGGTCTCACAAA GATCTATTAAGATTGTCACATCTTAAACCTTCCAGTGAAGGACTTGAATTGTGACCAAA TATATTACAAAGGGCTGGAAAGAAGTTCATGAATTGTATAAAGAAAAAGCACTCTCTGTG GAGACTGAAAAATTATTAAGTATCTGGAGGCTGTAGAGAAAGTGAAGCGCACAAAGAGAT GAGCTAGAAGTCATCTAATAAGAAGACATAGATTAGTTAGAGAACATCTTTTAACA AATCACTTAAAGTCTAAAGAGGTATGGAAGGCTTTGTTACAAGAAATGCCGCTTACTGCA TTACTAAGGAATCTAGGAAAGATGACTGCTAATTCAGTACTTGAACCAGGAAATTCAGAA GTATCTTTAGTATGTGAAAACTGTGTAATGAAAACTATTAATAAGGCTCGTATACAT CCATTTTATATTTTATGATCGCATTAGAACTTACAAGACAGGTCATGGTCTCAGAGGGAAA CTGAAGTGGCGCCTGATGAAGAAATTTTGAAGCATTGGATGCTGCTTTTTATAAAAACA TTAAGACAGTTGAACCAACTGGAAAACGTTTCTTACTAGCTGTTGATGTGAGTCTTCT ATGAACCAAGAGTTTTGGGTAGTATACTCAACGCTAGTACAGTTGCTGCAGCAATGTGC ATGGTTGTCACACGAACAGAAAAAGATTCTTATGTAGTTGCTTTTTCCGATGAAATGGTA CCATGTCCAGTGACTACAGATATGACCTTACAACAGGTTTTAATGGCTATGAGTCAGATC CCAGCAGGTGGAAGTATTGCTCTTCCAATGATCTGGGCTCAGAAGACAAACACACCT GCTGATGTCTTATTGATTCACTGATAATGAGACCTTTGCTGGAGGTGCCATCCTGCT ATTGCTCTGAGGGAGTATCGAAAGAAATGGATATTCCAGCTAAATTGATTGTTTGTGGA ATGACATCAAATGGTTTACCATTGCAGACCCAGATGATAGAGGCATGTTGGATATGTGC GGCTTTGATACTGGAGCTCTGGATGTAATTCGAAATTTACATTAGATATGATTTAA </pre> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_001173524 |
| 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). |

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| 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: | NM_001173524.1 , NP_001166995.1 |
| RefSeq Size: | 3257 bp |
| RefSeq ORF: | 1617 bp |
| Locus ID: | 6738 |
| UniProt ID: | P10155 |
| Cytogenetics: | 1q31.2 |
| Protein Families: | Transcription Factors |
| Protein Pathways: | Systemic lupus erythematosus |
| 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 proinflammatory 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 (5) differs in the 5' UTR, the 3' coding region and the 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus and is longer than isoform 1. Variants 2 and 5 encode the same isoform (2).</p> |