

Product datasheet for **SC335142**

RITA (RITA1) (NM_001286215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RITA (RITA1) (NM_001286215) Human Untagged Clone
Tag:	Tag Free
Symbol:	RITA
Synonyms:	C12orf52; RITA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286215, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCAGGGAGCCTCGGAAGCAGGGCCTGGCCGGCAGAGCACACCTGCTGTACACAGGGACCACAGGCA
GCATGAAGACCCCGTGGAGCTGGCCGTGAGTGGGATGCAGACCCCTCGGCCTTCAGCACCCCTGCCGAGG
TGGCTACCGGGTCAAGGCCAGGACGTATATGTGGATGAGACTCTGTTTGGCAGCCAGCAGGCACCCGG
CCTACCCACCGGACTTCGATCCGCCCTGGGTGGAGAAGGCTAACAGAACCAGAGGCGTGGGCAAGGAGG
CATCGAAGGCCTTGGGGCAAAGGGGAGCTGTGAGACCACCCCTCAAGGGGCAGCACCCACCCCTCAC
ACCAAGGAAGAAGAAACAATACAGACCCATCAGCCACACCCCGTCTTACTGTGATGAGTCGCTGTTGGC
TCCCGATCTGAAGGCGCCAGCTTCGGGGCCCCGCGGATGGCGAAGGGGGATGCCGCAAGCTCCGTGCTC
TCTTGTGGACGCCACCACCTACCCACAGGGGTAGCCACTCGCCCCGCCAGGGAGGCACCACTGCGAGC
CATTACCCAGCTGGTCCCTCCAAGACAGAGCCGGGGCCAGCGGCAGACTCCCAGAAGTTATCTATGGGT
GGGTTACACTCTTCACGCCCCCTGAAGCGGGGACTTTCCATTCCCTCACCCACCTGAATGTCCCGAGCA
CTGGTCATCCAGCCACCAGTGCCCCCACAAATGGGCCTCAGGATCTCAGGCCCTCCACGTGAGGGGT
GACCTTCGGAGCCCCCTGGTGACTTCCAGGGCTCGCTCAGTTAGCATTTAGTGCCATCTACCCACGA
CGAGGTGGGGCCACCCAGAAACCAAGCCCCCTTGAAA TGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286215
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).



[View online »](#)

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_001286215.1, NP_001273144.1</u>
RefSeq Size:	1921 bp
RefSeq ORF:	882 bp
Locus ID:	84934
UniProt ID:	<u>Q96K30</u>
Cytogenetics:	12q24.13
Gene Summary:	<p>Tubulin-binding protein that acts as a negative regulator of Notch signaling pathway. Shuttles between the cytoplasm and the nucleus and mediates the nuclear export of RBPJ/RBPSUH, thereby preventing the interaction between RBPJ/RBPSUH and NICD product of Notch proteins (Notch intracellular domain), leading to down-regulate Notch-mediated transcription. May play a role in neurogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' region and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1.</p>