

## Product datasheet for RN210086

### Rita1 (NM\_001044226) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rita1 (NM\_001044226) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Rita1  
 Synonyms: RGD1306772; Rita  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN210086 representing NM\_001044226  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGGCACTCCACCTTCAGCACCGCAACCCGCGCAGCTACCGGGTCAAGGCCAGGGCATCCTATGTGG  
 ATGAGACCCTGTTTGGCAGCCCAACAGGAACCCGGCCAACTCTACCAGACTTTGACCCACCCTGGGTGCA  
 GAATTGTAACAGATCTAGAGGAGTGAGCCAGGACCCCGAAGGTCTCTTGCCAAAGAGAGACTGTGAG  
 TCTCCCTCCTCCAGGGGAGCACCCAAATCTCACACCAAGGAAGAAAAACAATACAGGTTGATTGGCC  
 ACACCCATCCTACTGTGATGAGTCACTGTTTGGCTCCCGCCACAGGGCACAGGCAAGGAGAGGTCTCG  
 GACAGCCGTGGAGGATGCGGCCAAGCTCCGGACCCCTTTCTGGACCCACAGCCACCCCTAGGGGAGC  
 CACTCACCTCGCCCCAGGGAGACCCACTTCGGGCCATTACCCAACTGGACCTCCAGGACAGAGCCCA  
 GAGTGGCCACAGGCTCCAGATGGTGTCCCGGATGGGCTGGATGCTCCCGCTCTCTGGGACAGAGGCG  
 TTCCTATTCACTACCCACCTAGCTGTCCCGCAGCACGGGTCCAGCTTCCACTGCCCCAGACCAAT  
 GGGCCTTGAGTCCCGGCTTACACATCAGGGGCGACTGTCCAGAGTCCCCTAGTCACTCGCAAGGTAT  
 GCTCAGGCAGTGTTCGGGGCAACTACCCCTCAGCGAGGGGCTGCCCCAAAAGCCAAAGCCTCCTTG  
 GAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001044226  
 Insert Size: 777 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001044226.1</a></u> , <u><a href="#">NP_001037691.1</a></u>
<b>RefSeq Size:</b>	1645 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	288683
<b>UniProt ID:</b>	<u><a href="#">Q2KJ10</a></u>
<b>Cytogenetics:</b>	12q16
<b>Gene Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]