

## Product datasheet for **RG228081**

### RDM1 (NM\_001163124) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RDM1 (NM\_001163124) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RDM1  
**Synonyms:** RAD52B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG228081 representing NM\_001163124  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATTTACTTGTCCCACCCACAGCATTCTCTGTTACAGCATTTTCTCAGTTTGGCCTTCTGTATT  
CAGTCCGGGTCTCCAAATGCTGCAGTGGCCATCCTGGTTTCTATGCCGTCATTAAGTTTTATTCTGC  
AAGGGTGTCCACAGAGCCAAAAGGCATGCGACCGGAAGCAGCTTTTTAGAAATCTCCAGTCAAGGTT  
CGTCTTGGCACCAGACATAAGGCAGTTCAACATCAAGCCCTTGCCTGAACAGTTCAAAATGCCAAGAAC  
TGGCGAATTACTACTTTGGTTTCAATGGGTGTTCCAAAAGGATCATCAAGTCCCTTGCTCTCCCTGGAA  
GCAGTATGGCCAAGAGGGAAGGTATCTCTCGATTTCAGCTTGAGGAGGAAGATTCAGGCTGCCA  
GAACTTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG228081 representing NM\_001163124  
Red=Cloning site Green=Tags(s)

MHLLVPPQHSFLTAFSQFGLLYSVRVFPNAAVAHPGFYAVIKFYASARAAHRAQKACDRKQLFQKSPVKV  
RLGTRHKAVQHQAALNSSKQELANYFYGFNGCSKRIIKVPCSPWKQYQEEGYLSDFSLEEEEFRLP  
ELD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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>NM_001163124.1, NP_001156596.1</u>
<b>RefSeq Size:</b>	711 bp
<b>RefSeq ORF:</b>	432 bp
<b>Locus ID:</b>	201299
<b>UniProt ID:</b>	<u>Q8NG50</u>
<b>Cytogenetics:</b>	17q12
<b>Gene Summary:</b>	This gene encodes a protein involved in the cellular response to cisplatin, a drug commonly used in chemotherapy. The protein encoded by this gene contains two motifs: a motif found in RAD52, a protein that functions in DNA double-strand breaks and homologous recombination, and an RNA recognition motif (RRM) that is not found in RAD52. The RAD52 motif region in RAD52 is important for protein function and may be involved in DNA binding or oligomerization. Alternatively spliced transcript variants encoding different isoforms have been reported. [provided by RefSeq, Jul 2008]