

## Product datasheet for **RN215589**

### RGD1305464 (NM\_001025011) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RGD1305464 (NM\_001025011) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RGD1305464  
**Synonyms:** Sept14  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN215589 representing NM\_001025011  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCAGAGAAACGGCCCTGGGGCCTCTGGGGCCTATGATGTATGGCAAGCTGCCTCGCCTGGAGTCAG  
 ACCTAGGGCCAGGACACGGCCTGCCCTTTCTGCTGGCAACCAGGACTCCTGCAATTACAAAGGTGCATA  
 CTTCTCCTGCCCATAGGGGTACTTCCAAGGCAGGATCTGAGCGGTTGGCATCCTGGACCCCATATCCA  
 TCCTTGTACCCAGTGGTGTGGCAGGATCCCCGATCCGTGGTGACAGCCTCCTGACAAAGTGCCTCCTCT  
 ACCGCCCTCCGACAGAAGGCTCTGAAAAGATGCAAGACTCCAGTGAGCTCCTGCCCTTCGGTCCGACGGC  
 TCACTCGTACCCAGGCCACCTCTGGCAGCGCCCAAGCCTGTCTACCGCAGTCTTTGTGTTACGGGCTC  
 TCCACTTGCTTGGAGATGGGGCAGCAAAGAGACCATTGGATGTTGACTGGACCCCTGGTGCCTGGGCCCC  
 TTCTGCCTTCTGCTGACCCACCTGTTCTTTGGCTACAGCTCCCGGCAAGGGCCAGCCCCCTGGATGGGAC  
 GTTCTGCGTGGTTTACCGTCTGGGGGACCTGGCAAGGACTCTTCCCTGACTTTTTCCCGTGCCAGACA  
 TTCCTAGAGAAGTATCGAACTGTCAAAGCACAGGTTTCTGGCTTCCAAGTACCCTGGTCTTACTCTG  
 GGGATCCCAAGCAAGCAATGTCTGAGGGGCCCTCCGGACCTTGGACCCAGCTCACCAGCCCCATAGGAC  
 ACCTTGCCAGGATGCAGTGCCAGCCACTATCCATTGCCCCACCCACAGGCCTTGCCCTTGCCCTCCA  
 TCTTGTGCCACCCAGAAAAGCAGGGAAGCTATGGCTCTTTGCTCCCACTGCCGCCTCTGGGAGCCACACA  
 AGGGGGCTGCATACCAAGCTGGTGGGCTGGGCAGCCCCTACCTGAGGCAACAGGCAGCCAGACTCCCTA  
 CATGCCCTGTTGGGATAGACAGTTATCCCTATTCTCTGCACCCCTCCCGCACCCCTACCAGGGCTC  
 AAGCTGGAGCCCCCTCTGCTCCGAGGTGCCACTGGACTTTGTCCCCAAACCTGAGTTTTCTTATG  
 CCAGGGATGACCTCTCTCTATGGGGCATCCCCAGGACTTGGGAAACACCACCTTCCCATTCCCAGAA  
 CAGTGTGCAGCCTGTGCCACAGCCTGGTGCCTTCCAGCGAACATGCCAGCCTTACCAGCCGGCCAGCCA  
 TGCTCTGAGCCATGAGACCTGCAGAGAAGCCAACGCCAGAAGCTCAAGAGAAGAGCTGGCTGCCAGCT  
 GCAGGAAAGAGCAACTCCAGTCCAGGCCAGTGCAGCAGCTGGGGTACCTATTGTTATCAGAGACAGTCC  
 AGTTCGCCGACCTCACCAGCACTGCACCCCTGTGCCAAGGAGGCCAGTCTCTTCCACAGAAGGATGCT  
 AGACCTCTAGCTCCCCACCAATGCCTGTGATTGACAATGTTTTTAGTCTGGCCCCCTACCGTGACTACC



TGGATGTGCAGACCCAGAGCCACAGTTGAGCAGGACTCAGCTCCAGCCACCAGTAAGAGCCAAGACAA  
 AGATTGCAAGGAGACCCTGCCTGTTTCAGGATGGGGCTCTAGGCCTCACCCTCTCTTCGTGAGGAGGTG  
 GCTCTGGACTTGAGTGTGAAGAAGTCAATGGCAGAGGATGTCCTGTCAAGGTCCCTAGTCTGAGGAGC  
 ATAATAAGCCCAGTAACTGTCGATGGGTGAGTATAGAAAACACAGCGTCGGGTTTGCCTGGCCTAAA  
 AAAGATGGTCACAGAAATACCTGAGGTAAGTGCAGAAGCCACCAAGGACAAATTTCCACAGCTCTGTG  
 GCCTTCATGTTTCGAAAATTCAAGATACTCCGTCTGCACCTTACCTGCAGCTATTGTTCCCTCCCC  
 CTACTCCAGTTTCTGTCCTGCCCTACCCCTGTCCTGTCCCTGTCCCTGTCCCTGTCCCTGTCCCTGC  
 ACAGCCTGCATCAACCCCTTCTGTGCCATGGGACTGCAGATTCTCACTCAGCCTTTGCCAGTAGCA  
 TGTTTTCAACCTGGCCCTGCCTAGCCACCAGCCATAGCCGTGGCCTCCAGCCAGCCAGCCTCCGCTCCAC  
 CCCCATCACCAGCTCCTGCTCCAGCCTCAGGCCCGCTCCAGCTTCTGCTCAAGTTCCTCACTGCAGCCC  
 AGTGTACTCAGAACAGCACTTACAGGGCTGCACACATCCCTCTGTGATGCCATCTCAGGCTCTGTGGC  
 CATTCTCCACCAGAGAACTGCGTGAGTGGCTCGAGACAACTGGGCCATGGGGCCAGGCTGCATGGCAGG  
 ACGGCCAGGGTGTTCAGGGGCTACTAGGCAGACTGCTCTCCAGCTGCAGAAGTTCGTGTGCACACAGCA  
 GTGCCCTTCCCTCACGTAGTGGGGCTGGCGCCATCTTGTGCCATCCATCTGGTGAAGGAGCGTCTC  
 TTTCAAAGCTGCCACCGCCTCTGTGGACCACGTGCTGCAGGACCACCGTGTGGAACACGGCCACCA  
 CTCTGTACAGAGGAGCGTGCCTGACATCTACCTGACCTGCTGGGCCTACAATGGCATGACTGTGTCCGCGC  
 CAGCTGGGTGGCTTCGACACTGAGGCCAGAGCTTTATCCCATCAGAACCACGGTGACCAGAGATGAGC  
 CAGAAAGCCAAGTCTGGCTGGGAAGTTGCCAGCCCCAAGGCCAAGAAGCCAGGGAAGAAGCCACCAAC  
 ACCTGGCCAGAGAAAACAGAGACAACCACTGGGGAAGGGTCAATGTAATCCCTCACCTAGCTCTGGTGC  
 AGCACCAGCCACCAGTCCCACCCTGAGGGCCGCTTCCGCAACCTGTTAGAACTGCCTGGCTCAACG  
 GTGTGGCACTGCCTACTTGGGGCCACAAGGCCTCTGGAGCAGATCGGCCCTCACCTACCCCCAGCTCTT  
 GGCAGCCAGACCCATCATCTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001025011

**Insert Size:**

3105 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).

**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:**

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\\_001025011.2](#), [NP\\_001020182.2](#)

**RefSeq Size:**

4198 bp

**RefSeq ORF:**

3105 bp

Locus ID: 315702

Cytogenetics: 8q24