

## Product datasheet for **RN217554**

### Stag2 (NM\_001173507) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stag2 (NM\_001173507) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Stag2  
**Synonyms:** RGD1562042  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217554 representing NM\_001173507  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATAGCAGCTCCAGAAATACCAACTGATTTTAACTACTGCAGGAGTCAGAAACACATTTTTCTCTG  
ACACAGATTTTGAAGACATTGAAGGAAAAATCAGAAGCAAGGCAAGGCAAACTTGTAAGGCAAGGCA  
GAAGGTCAGCAGAGAAGGGTAAAAGTGGAAATGGAGGAGGAAAACCTCCTTCTGGTCCAAACCGAATG  
AATGGTCATCATCAGCAGAATGGAGTTGAAAACATGATGTTGTTTGAAGTTGTAAGGCAAGAGTG  
CTATGCAGTCGGTGGTAGATGATTGGATAGAATCATAAAGCATGACCGAGATATAGCACTTCTTACCT  
TATCAACTTTTTTATTCACTGTTTCAAGGAGTGCATCAGCAGAGATGTTTAGACATATGCAG  
AACTCTGAGATAATTCGAAAAATGACAGAAGAATTCGACGAGGATAGTGGGGATTACCCACTAACCATGG  
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CAAGTCAGAGCATTTCGACATACAAGCACCCCTGGCAGCTATGAAGTTGATGACTGCTTTGGTAAATGTGG  
CACTAAATCTTAGCATTAAATATGGATAACACACAAGACAGTATGAGGCAGAACGGAATAAAATGATTGG  
AAAACGAGCCAATGAAAGGCTAGAACTCCTGTTACAAAAGCGTAAAGAGCTTCAGGAAAAATCAAGATGAA  
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CTACTGAAAGACTGGAAATGTATGAATAGCTTGTATTAGAGGAGCCTCTCAGTGGAGAGGAAGCTCAA



CAGACAGACAAGAGAGTGCTTTGATTGAAATAATGCTTTGTA CTATTAGACAAGCAGCTGAATGTCATCC  
 GCCTGTGGGAAGAGGGACAGGAAAAAGGGTGCTAACAGCAAAGGAGAAGAAGACACAGTTGGATGACAGA  
 ACAAGAATCACTGAGCTGTTTGCTGTGGCCCTCCACAATTATTAGCAAAATACTCTGTAGATGCAGAAA  
 AGGTGACCAATTTGTTGCAGTTACCTCAATACTTTGACTTGGAGATCTACACCACTGGACGATTGGAAAA  
 GCCTTGGATGCCTTATTGCGTCAGATCCGAAATATTGTAGAGAAGCACACAGACAGATGTTTTGGAA  
 GCATGTTCTAAAACCTTACCATGCATTATGTAATGAAGAGTTCACGATCTCAACAGAGTAGATATTTCAA  
 GAAGTCAGCTGATAGATGAAGTGGCAGATAAAATTAACCGGCTTCTGGAAGATTTCTGCAAGAGGGAGA  
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 TGATTCTTCATTGCAGTCTGAGTTGCTCAGCTTATTTTGGATCATGTCTTCATTGAACAGGATGATGAT  
 AGTAATAGTGCAGATGGTCAGCAGGAGGATGAAGCCAGTAAAATTGAAGCTTTGCATAAGAGGAGAAAT  
 TACTTGCAGCATTGTGTAAGCTAATTGTATATACAGTGGTGGAGATGAACACAGCTGCGGATATCTTCAA  
 GCAGTATATGAAGTATTATAACGATTATGGCGATATCATCAAAGAAACAATGAGTAAAACAAGGCAGATT  
 GACAAAATTCAGTGTGCCAAGACTCTTATTCTCAGTTTGCAGCAGCTTTTAAATGAGATGATACAAGAAA  
 ATGGCTATAACTTTGATAGATCATCCTCAACATTTAGCGGCATAAAAGAACTTGTCTGACGTTTTGCTTT  
 AACTTTTGGACTTGATCAGTTGAAAACAGAGAAGCCATTGCCATGTGCACAAAGATGGCATAGAATTT  
 GCTTTTAAAGAGCCTAATCCACAAGGGGAGAGCCATCCACCTTAAATTTGGCATTCTTGATATTCTCA  
 GTGAATTTTCTTAACTGCTCCGACAAGATAAAAGAACAGTGTATGTTTATTTGGAAAAGTTCATGAC  
 CTTTCAGATGTCACTCCGAAGAGAAGATGTATGGCTTCTCTGATGTCTTACCGAAATTTCTTGTAGT  
 GGTGGTGTGATGACACCATGTCAAGTATTAGTGAATGAGCAGTCGGGGATCAACTGTACGGAGTAAAA  
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 TAGCAGTGACAGTATGTGGTTGAGCAGAGAGCAGACACTGCACACCCCTGTTATGATGCAGACACCCGAG  
 CTCACCTCCACTATTATGAGAGAACCGAAAAGGTTACGGCCTGAAGATAGCTTCTGAGTGTCTATCCGA  
 TGCAGACAGAACCCATCAAACCTCTGGATTACAATCAGCGTGGTACAAGCATAATGGAGGATGACGA  
 AGAGCCGATTGTTGAAGATGTTATGATGTCTCAGAAGGAAGGATTGAGGATCTTAAATGAGGGAATGGAC  
 TTTGACACCATGGATATAGACCTGCCACCATCAAAGAATAGAAGAGAGAGAACAGAACTGAAGCCTGATT  
 TCTTTGATCCTGCTTCAATTATGGATGAATCAGTCTTGGCGTGTCAATGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001173507
- Insert Size:** 3696 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001173507.1](#), [NP\\_001166978.1](#)

**RefSeq Size:** 6122 bp

**RefSeq ORF:** 3696 bp

**Locus ID:** 313304

**Cytogenetics:** Xq35