

## Product datasheet for **RR207055**

### Sestd1 (NM\_001134514) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sestd1 (NM_001134514) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sestd1
Synonyms:	RGD1562244
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RR207055 representing NM\_001134514  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCCTCGGTGATATTGCCATCCTGAAGAAGAAGCTGGCCTTCTTTTCAGGAGAAAGGACAGAC  
 GCAGTGGACTCATCTTGACAATTCATTATGCCTTGAACAGACAAATATGGATGAGCTGAGTGCACTCT  
 GGACTATCTACTCAGCATTCCAAGTGAGAAATGTAAAGCCAGAGGATTCCTGTGATCGTGGACGGCAGG  
 AAGTCTCAATGGAACGTGGTGAAGACAGTGGTCTAATGCTGCAGAACGTTGTTCCAGCTGAGGTATCCC  
 TTGTTTGTGAGTGAAGCCAGATGAATTCTGGGATAAGAAAGTAACACATTTTTGTTTTGGAAAGAAAA  
 GGATAGACTTGGCTTTGAGGTTATTTAGTGTCTGCCAATAAGCTGACTCGATACATAGAGCCCTGCCAG  
 TTGACAGAAGACTTTGGTGGGAGTCTCACCTACGATCACATGGACTGGCTAAATAAGAGGCTGGTCTTTG  
 AGAAGTTTACAAAGGAGTCTACATCATTGCTAGATGAACTCGCTCTGATTAACAATGGAAGTGACAAGGG  
 GAATGAGCAGGAGAAGGAAAGGTCGGTGGATTTAACTTTCTCCATCTGTTGATCCTGAGACAGTTCTT  
 CAGACAGGGCATGAGTTGTTATCTGAATTACAGCAGCGTCGATTAATGGCTCTGATGGAGGGGTCTCCT  
 GGTCTCCTATGGATGACGAAGTCTCGCACAGCCACAGGTTATGAAGTTGTTAGACTCACTCCGGGAGCA  
 GTATACGCCTACCAGGAGGTCTGCAGGCAGCGCAGTAAGCGCACACAGTTAGAGGAGATCCAGCAGAAG  
 GTGATGCAGGTTGTGAAGTGGCTTGAAGGGCCTGGGTCTGAGCAACTGAGAGCACAGTGGGGCATTGGTG  
 ACTCCATCAGGGCATCCCAGGCCCTGCAACAGAAGCATGAGGAGATCGAGAGCCAGCACAGTGAAGTGGT  
 TGCAGTGTACGTGGAGCTCAACCAACAGATCGCAGCGCTCCTGAATGCCGGAGATGAGGAAGACCTGTG  
 GAGTTGAAGTCCCTGCAGCAGCAGCTCAGCGACGCTGCTACCGGCAGGCCAGCCAGCTAGAATTTAGGC  
 AGAACCTCCTGCAGGCAGCTTTGGAGTTTCAATGGTGTGGCCCAAGATTTGTCTCAGCAGTTGGACGGCTT  
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 GAAGAGAAGCTGAAAAGTGTGATGTGGGATTGCAAGGCTTACGAGAAAAAGGTCAAGGTCTCCTGGATC  
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 CTGAAGATGCTTCAGATGGTGCAGTTGTTAAATGCGAAGAGGATGCTTACAGGCAGTGAATGGCTAA  
 GTGAAGTCTGGATGCCCTGTTGAAGCCCATATCAGATTGGGTGATGATGCTCAGGAAACAAAGTTTTT  
 ACTGGAAAAACACAGAAAATTTGGATGTTGCACAGAGCACTTACGACTATGGCAGACAGCTGCTGCAG  
 GCCACAGTTGTGCTGTGCCAGTCTCTGCGTGTACTTCCGATCCTCAGGGGACACGCTTCTCGACTGA  
 ACAGAGTGTGGAAGCAGTTCACGGTAGCCTCTGAAGAGAGAGTGCACAGTTGGAATGGCTATTGCCTT  
 CCACTCGAATGCTGAAAAGATTTTGAAGATTGCCAGAGAGCCTGAAGCAATGAACGATGAGGAGCAG  
 TTTGAGGAAATGGAAGCAATTGGAATCACTTCTGGATAGACTCACTATCCCCGTGTTTACCCGGATG  
 GAACTGAACAATTTTTGGAAGTCCAAGTGACATGGCTTCTACTGCAGAGCACATCAGAGACAGAATGAA  
 ACTGGTCACTCTCAAAGGCAGCAGCTGAGACATCCTGAAATGGTGACCACGGAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207055 representing NM\_001134514  
 Red=Cloning site Green=Tags(s)

MEASVILPILKKKLAFLSGGKDRRSLILTIPLCLEQTNMDELSVTLDYLLSIPSEKCKARGFTVIVDGR  
 KSQWNVVKTVVLMQNVVPAEVS LVCVVKPDEFWDKVKVTHFCFWKEKDRLGFEVILVSANKLTRYIEPCQ  
 LTEDFGGSLTYDHMDLWLNKRLVFEKFTKESTSLLELALINNGSDKGNEQEKERSVDLNFPSVDPETVL  
 QTGHHELLSELQRRFNGSDGGVSWSPMDELLAQPVQMKLLDSLREQYTRYQEVCQRQRSKRTQLEEIQQK  
 VMQVNVWLEGPGEQLRAQWIGDSIRASQALQKHEEIESQHSEWFAVYVELNQIAALLNAGDEEDLV  
 ELKSLQQLSDVCYRQASQLEFRQNLQAALFHFHVAQDLSQLDGLLGMCLVDVAPADGASIQQLKLL  
 EEKLSVDVGLQGLREKGGQLLDQISNQASWAYGKDVTIENKENVDHIQGVMEDMQLRKQRCEDMVDVRR  
 LKMLQMVQLFKCEEDASQAVEWSELLDALLKTHIRLGDDAQETKVLLEKHKRFVDVAQSTYDYGRQLLQ  
 ATVVLQSLRCTSRSSGDTLPRNLRVWKQFTVASEERVHREMAIAFHSAEKILQDCPEEPEAMNDEEQ  
 FEEIEAIGKSLDLRLTIPVVYPDGTQYFGSPSDMASTAEHIRDRMKLVSLKRQQLRHPPEMVTES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001134514

**ORF Size:** 2088 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001134514.2](#), [NP\\_001127986.2](#)

**RefSeq Size:** 2772 bp

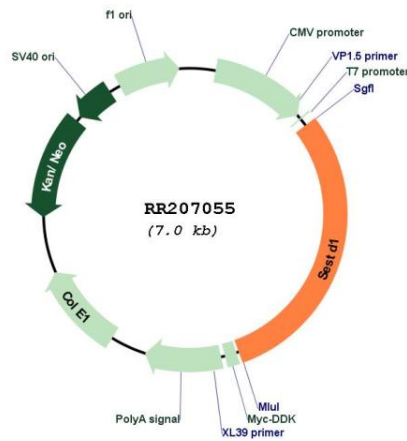
**RefSeq ORF:** 2091 bp

**Locus ID:** 295678

**Cytogenetics:** 3q24

**MW:** 79.4 kDa

**Product images:**



Circular map for RR207055