

## Product datasheet for **RG204122**

### SERTAD3 (NM\_013368) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SERTAD3 (NM\_013368) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SERTAD3  
**Synonyms:** RBT1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204122 representing NM\_013368  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGGGAGGCTTGAAGAGGAAACACTCTGATTTGGAAGAGGAGGAGGAGGTGGGAGTGGAGTCCAG  
 CAGGCCTCAGAGCTACCAGCAAGCCCTGCTCCGCATCTCCCTAGACAAAGTCCAGCGCAGCCTGGGCC  
 CCGAGCACCCAGCCTCCGAGGCATGTCTCATCCATAACACCCTCCAACAGCTGCAGGCTGCCTTCGC  
 CTGGCTCCGCCCCTGCCCTGCCCCCGAGCCCCTCTTCTGGGCGAGGAGGATTCTCCCTGTCAGCCA  
 CCATTGGCTCTATCCTCAGGGAGCTGGACACCTCCATGGATGGGACTGAGCCCCCTCAGAATCCAGTGAC  
 TCCCTTGGCCTCCAGAATGAAGTGCCACCCAGCCTGATCCAGTCTTCTTAGAAGCTCTGAGCTCCCGG  
 TACTTGGGGACTCTGGCCTGGATGACTCTTTCTGGACATTGACACATCTGCGGTAGAAAAGGAGCCTG  
 CACGGGCCACCAGAGCCTCCTCACACCTCTTCTGTGCCCCAGGTTCTTGGGAGTGAATGAAGTGA  
 TCACATCATGAAATCATTCTGGGGTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG204122 representing NM\_013368  
 Red=Cloning site Green=Tags(s)

MVGGGLKRKHSLEEEERWEWSPAGLQSYQQALLRISLDKVRSLGPRAPSLRRHVLIHNTLQQLQAALR  
 LAPAPALPPEPLFLGEEDFSLSATIGSILRELDTSMDGTEPPQNPVTPGLQNEVPPQDPVFLEALSSR  
 YLGDSGLDDFFLDIDTSAVEKEPARAPPEPPHNLFCAPGSWEWNELDHIMEIILGS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_013368

**ORF Size:** 588 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\\_013368.3](#)

**RefSeq Size:** 1542 bp

**RefSeq ORF:** 591 bp

**Locus ID:** 29946

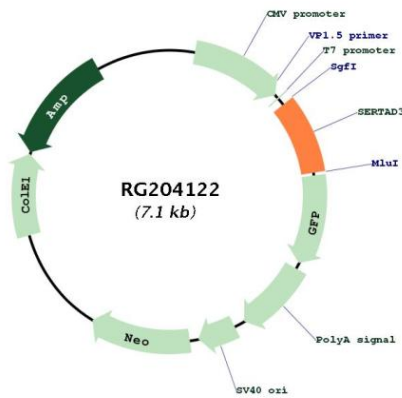
**UniProt ID:** [Q9UJW9](#)

**Cytogenetics:** 19q13.2

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene was identified in a yeast two-hybrid assay employing the second subunit of human replication protein A as bait. It is localized to the nucleus and its expression is significantly higher in cancer cell lines compared to normal cell lines. This protein has also been shown to be a strong transcriptional co-activator. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG204122