

Product datasheet for **RG201064**

SERTAD1 (NM_013376) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SERTAD1 (NM_013376) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SERTAD1
Synonyms: SEI1; TRIP-Br1; TRIPBR1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201064 representing NM_013376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAGCAAGGGTCTGAAGCGGAAACGGGAGGAGGAGGAGGAGAAGGAACCTCTGGCAGTCGACTCCT
 GGTGGCTAGATCCTGGCCACACAGCGGTGGCACAGGCACCCCGGCCGTGGCCTCTAGCTCCCTTTGA
 CCTCTCAGTGCTCAAGCTCCACCACAGCCTGCAGCAGAGTGAGCCGGACCTGCGGCACCTGGTGCTGGTC
 GTGAACACTCTGCGGCGCATCCAGGCGTCCATGGCACCCGCGGCTGCCCTGCCACCTGTGCCTAGCCAC
 CTGCAGCCCCAGTGTGGCTGACAACTTACTGGCAAGCTCGGACGCTGCCCTTTCAGCCTCCATGGCCAG
 CCTCCTGGAGGACCTCAGCCACATTGAGGGCCTGAGTCAGGCTCCCAACCCCTTGGCAGACGAGGGGCCA
 CCAGGCCGTAGCATCGGGGGAGCAGCGCCAGCCTGGGTGCCTTGGACCTGCTGGGCCAGCCACTGGCT
 GTCTACTGGACGATGGGCTTGGGGCCTGTTTGGAGATATTGACACCTCTATGTATGACAATGAACCTTTG
 GGCACCAGCCTCTGAGGGCCTCAAACAGGCCCTGAGGATGGGCCGGCAAGGAGGAAGCTCCGGAGCTG
 GACGAGGCCGAATTGGACTACCTCATGGATGTGCTGGTGGGCACACAGGCACTGGAGCGACCCCGGGGC
 CAGGGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201064 representing NM_013376
 Red=Cloning site Green=Tags(s)

MLSKGLKRKREEEEEKEPLAVDSWWLDPGHTAVAQAPPVAVSSSLFDLSVLKHHSLQQSEPDLRHLVLV
 VNTLRRIQASMAPAAALPPVPSPPAAPSVDNLLASSDAALSASMASLLEDLSHIEGLSQAPQPLADEGP
 PGRSIGGAAPSLGALDLLGPATGCLLDDGLEGLFEDIDTSMYDNELWAPASEGLKPGPEDGPGKEEAPEL
 DEALDYLMVDLVGTQALERPPGPGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013376

ORF Size: 708 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_013376.4](#)

RefSeq Size: 1218 bp

RefSeq ORF: 711 bp

Locus ID: 29950

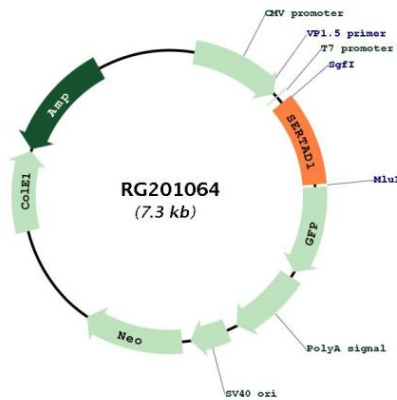
UniProt ID: [Q9UHV2](#)

Cytogenetics: 19q13.2

Protein Families: Transcription Factors

Gene Summary: Acts at E2F-responsive promoters as coregulator to integrate signals provided by PHD- and/or bromodomain-containing transcription factors. Stimulates E2F1/TFDP1 transcriptional activity. Renders the activity of cyclin D1/CDK4 resistant to the inhibitory effects of CDKN2A/p16INK4A.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201064