

## Product datasheet for **RG215680**

### SIVA (SIVA1) (NM\_006427) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SIVA (SIVA1) (NM\_006427) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SIVA  
**Synonyms:** CD27BP; SIVA; Siva-1; Siva-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215680 representing NM\_006427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAAGCGGAGCTGCCCTTCGCGGACGTGGCCCCGCTACAGCTCAAGGTCCGCGTGAGCCAGAGGG  
 AGTTGAGCCGGCGTGTGCGCCGAGCGCTACTCGCAGGAGGTCTTCGAGAAGACCAAGCGACTCCTGTT  
 CCTCGGGCCAGGCCTACCTGGACCACGTGTGGGATGAAGGCTGTGCCGTCGTTACCTGCCAGAGTCC  
 CCAAAGCCTGGCCCTACAGGGGCCCGAGGGCTGCACGTGGCCAGATGCTGATTGGACCAGACGGCCGCC  
 TGATCAGGAGCCTTGGGAGGCCTCCGAAGCTGACCCATCTGGGGTAGCGTCCATTGCCCTGTTCCATG  
 CGTGCGAGCCGTGGATGGGAAGGCGGTCTGCGGTCAAGTGTGAGCGAGCCCTGTGCCGGCAGTGTGTGCGC  
 ACCTGCTGGGGCTGCGGCTCCGTGGCCTGTACCCTGTGTGGCCTCGTGGACTGCAGTGACATGTACGAGA  
 AAGTGCTGTGCACCAGCTGTGCCATGTTTCGAGACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG215680 representing NM\_006427  
 Red=Cloning site Green=Tags(s)

MPKRSCPFADVAPLQLKVRVSRQRELSRGVCAERYSQEVFEKTKRLLFLGAQAYLDHVWDEGCAVVHLPES  
 PKPGPTGAPRAARGQMLIGPDGRLIRSLGQASEADPSGVASIACSSCVRAVDGKAVCGQCERALCGQCVR  
 TCWGCSSVACTLCGLVDCSDMYEKVLTSCAMFET

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_006427

**ORF Size:** 525 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\\_006427.4](#)

**RefSeq Size:** 751 bp

**RefSeq ORF:** 528 bp

**Locus ID:** 10572

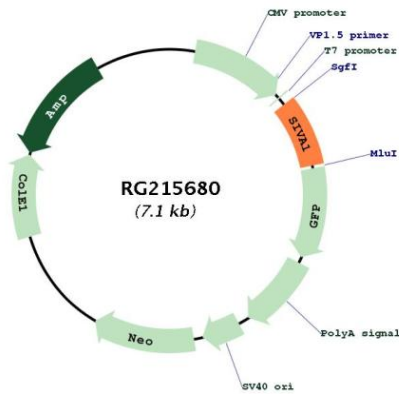
**UniProt ID:** [O15304](#)

**Cytogenetics:** 14q32.33

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes an E3 ubiquitin ligase that regulates cell cycle progression, cell proliferation and apoptosis. The N-terminus of this protein binds to the cytoplasmic tail of the CD27 antigen, a member of the tumor necrosis factor receptor (TNFR) superfamily. In response to UV radiation-induced DNA damage, this protein has been shown to mediate the ubiquitination of proliferating cell nuclear antigen (PCNA), an important step in translesion DNA synthesis. [provided by RefSeq, Sep 2018]

**Product images:**



Circular map for RG215680