

Product datasheet for **SC110171**

SIVA (SIVA1) (NM_021709) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIVA (SIVA1) (NM_021709) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIVA1
Synonyms:	CD27BP; SIVA; Siva-1; Siva-2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021709, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAAGCGGAGCTGCCCTTCGCGGACGTGGCCCCGCTACAGCTCAAGGTCCGCGTGAGCCAGAGGG
AGTTGAGCCGCGGCGTGTGCGCCGAGCGCTACTCGCAGGAGGTCTTCGACCCATCTGGGGTAGCGTCCAT
TGCCTGTTCTCATGCGTGCAGCCGTGGATGGGAAGGCGGTCTGCGGTCAAGTGTGAGCCAGCCCTGTGC
GGGCAGTGTGCGCACCTGCTGGGGCTGCGGCTCCGTGGCCTGTACCCTGTGTGGCCTCGTGGACTGCA
GTGACATGTACGAGAAAGTGTGTGCACCAGCTGTGCCATGTTTCGAGACCTGA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_021709 unedited
NTGTTCANATTTGTATACGACTCCTATAGGCGCCGCGNAATTCGCACGAGGCCCGCTA
CAGCTCAAGTCCGCGTGAGCCAGAGGGAGTTGAGCCGCGGCGTGTGCGCCGAGCGCTAC
TCGCAGGAGGTCTTCGAGAAGACCAAGCGACTCCTGTTCTCGGGGCCAGGCCTACCTG
GACCACGTGTGGGATGAAGGCTGTGCTGTCGTTACCTGCCAGAGTCCCCAAAGCCTGGC
CCTACAGGGGCCCGAGGCTGCACGTGGCAGATGCTGATTGGACCAGACGCGCCGCTG
ATCAGGAGCCTTGGCAGGCCTCCGAAGCTGACCCATCTGGGGTAGCGTCCATTGCCTGT
TCCTCATGCGTGCAGCCGTGGATGGGAAGGCGGTCTGCGGTCAAGTGTGAGCGAGCCCTG
TGCGGGCAGTGTGTGCGCACCTGCTGGGGCTGCGGCTCCGTGGCCTGTACCCTGTGTGGC
CTCGTGGAGTAAGTACTTCAGTCCCTGGAGCTGCTGAGATCCCATAGCCCCAGCAAGCCG
TGATGGGGACGCGGTGGGTCACCCATGTGGGCCAGAACACACACATGTGTGGCCCCTGA
TGCAGTGCCATCTGGCATTGCCTAACGGGACATGGTGGCAATAGATGCTTGGCCAACTT
TAGTGGTTAGTAATCCTCTAAGGGAAGCTGAACCTCACAGATGACCTGCTCTGTATC
CGGCTCTAGTCCCTGTCTTCAGCCACTTCTGTTCTATTTTNTGAAACACCCCCACCTN
CTNCTNCTNTGTTNCTTTGAGCCCCCTCCCCCGTCCGAGGAGCCCCCTGGNTTGGTG
ACACNAGTGCACTGCAGCTTCACACAGTCATGCGTGCCGTTTGGTTGTAGACCCTCTC
NNAGCAGAAGTGGG
```



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3' Read Nucleotide Sequence: >OriGene 3' read for NM_021709 unedited
 GGCACGCAATCTAGAGTCGAGTTTGC
 AAATATAAAGAGGGTTATTCATTCTGTGCTTAGGATACAAAATAGAACATGTAAAAGGGA
 CCCCTTCCGTCGACCCACAGTTAATGGGAACACCGAGCGCTCGTCCAAGGAAAGGTGC
 CATGCACGGGGTGGCTCCCGGTGAAAGCAGCCGGCTTGAGCCAACCTCAAGTCTTGAACA
 TGGCACAGCTGGTGACAAAGACTTTTTTTGTACATGTCACTGGAAGTCCGACAGCGTCAGG
 GAGGGGAAAAAAAACCTGCTGTCAAGGGCTGAATTGTGTCCACCACCCCCACCATTAA
 ACGTCAAAGTCCTAACCCAGAACACCTCAGGACATGACCTTATTTGGAGACAGGATCACT
 GCGGGCATCATAGTCTAAATGACGGCACTGACATGGGGGCCCTAAAGCAACACGACCAG
 CGTCTAAAAAGACTACGTGAAGAGAAGGGCACCCAGAAGGAAGACCACCTGAAGATACA
 GGGAGGGGGCAGCTGTCTCAGGGAACACCAAAGATACCANCAGATGCCAGGAGAAAGCCA
 GGACAGGTTTTCCATTGCAACCTCAAGAGGAACCCAGCCCTGGCAGCACCTTTCTTTTAGA
 CTTCTGGTCTTCAAACCACGTGGCAGTACCTCTTTGCTGGCATGCCACTGGTTCTGGGA
 ACTCATTTTCAGCAGCCCTACCTGATTCCACTGCCGATCATACAATGGGGCCACCTGGGT
 TTCANTAGATNAAGTTTCCAAGAAACCCCAAAGACCTGCAAATTTACCGACCCAATGGTT
 ACCTGAAACATCAACGGCCTTTTGAATATAGATTAGGGAGGGCGCGCTGTGGTAACTTGG
 GGGCTTACTAACCTTGGAGTGGGCCAGGAAACCGGGTCGATA

Restriction Sites: ECoRI-NOT

ACCN: NM_021709

Insert Size: 3670 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).

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_021709.1](#), [NP_068355.1](#)

RefSeq Size: 595 bp

RefSeq ORF: 333 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]

Transcript Variant: This variant (2) lacks an alternate in-frame segment, compared to variant 1. It appears to lack the apoptotic properties of Siva. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.