

Product datasheet for SC110170

SIVA (SIVA1) (NM_006427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIVA (SIVA1) (NM_006427) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIVA
Synonyms:	CD27BP; SIVA; Siva-1; Siva-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006427, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAAGCGGAGCTGCCCTTCGCGGACGTGGCCCCGCTACAGCTCAAGGTCGCGTGAGCCAGAGGG
AGTTGAGCCGCGCGTGTGCGCCGAGCGCTACTCGCAGGAGTCTTCGAGAAGACCAAGCGACTCCTGTT
CCTCGGGGCCAGGCCTACCTGGACCACGTGTGGGATGAAGGCTGTGCCGTCGTTACCTGCCAGAGTCC
CCAAAGCCTGGCCCTACAGGGGCCCGAGGGCTGCACGTGGGCAGATGCTGATTGGACCAGACGGCCGCC
TGATCAGGAGCCTTGGCAGGCCTCCGAAGCTGACCCATCTGGGGTAGCGTCCATTGCCCTGTTCTCATG
CGTGCGAGCCGTGGATGGGAAGGCGGTCTGCGGTCAAGTGTGAGCGAGCCCTGTGCGGGCAGTGTGTGCGC
ACCTGCTGGGGCTGCGGCTCCGTGGCCTGTACCCTGTGTGGCCTCGTGGACTGCAGTGACATGTACGAGA
AAGTGCTGTGCACCAGCTGTGCCATGTTGAGACCTGA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006427 unedited
GCACCAGCATGCCAAGCGGAGCTGCCCTTCGCGGACGTGGCCCCGCTACAGCTCAAGG
TCCGCGTGAGCCAGAGGGAGTTGAGCCGCGCGTGTGCGCCGAGCGCTACTCGCAGGAGG
TCTTCGAGAAGACCAAGCGACTCCTGTTCTCGGGGCCAGGCCTACCTGGACCAGTGT
GGGATGAAGGCTGTGCCGTCGTTACCTGCCAGAGTCCCCAAAGCCTGGCCCTACAGGGG
CCCCGAGGGCTGCACGTGGGCAGATGCTGATTGGACCAGACGGCCGCTGATCAGGAGCC
TTGGGCAGGCCTCCGAAGCTGACCCATCTGGGGTAGCGTCCATTGCCCTGTTCTCATGCG
TGCGAGCCGTGGATGGGAAGGCGGTCTGCGGTCAAGTGTGAGCGAGCCCTGTGCGGGCAGT
GTGTGCGCACCTGCTGGGGCTGCGGCTCCGTGGCCTGTACCCTGTGTGGCCTCGTGGACT
GCAGTGACATGTACGAGAAAGTGTGTGCACCAGCTGTGCCATGTTTCGAGACCTGAGGCT
GGCTCAAGCCGGCTGCCTTCACCGGGAGCCACGCCGTGCATGGCAGCCTTCCCTGGACGA
GCGCTCGGTGTTCACTGAAGTGTGGGTGACGCGGAGGGGTGCCTTTTACATGTTCTA
TTTTGTATCCTAATGACAGAATGAATAA
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Restriction Sites:	NotI-NotI
ACCN:	NM_006427
Insert Size:	3200 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:	<ol style="list-style-type: none">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_006427.2 , NP_006418.2
RefSeq Size:	751 bp
RefSeq ORF:	528 bp
Locus ID:	10572
UniProt ID:	O15304
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) is the predominant and longer transcript. It encodes isoform 1 and includes the apoptotic properties of Siva.</p>