

Product datasheet for **RC203748**

SIVA (SIVA1) (NM_021709) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SIVA (SIVA1) (NM_021709) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SIVA
Synonyms: CD27BP; SIVA; Siva-1; Siva-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203748 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGCGGAGCTGCCCTTCGCGGACGTGGCCCCGCTACAGCTCAAGGTCCGCGTGAGCCAGAGGG
AGTTGAGCCGCGCGTGTGCGCCGAGCGCTACTCGCAGGAGGTCTTCGACCCATCTGGGGTAGCGTCCAT
TGCCTGTTCTCATGCGTGCGAGCCGTGGATGGGAAGGCGGTCTGCGGTCAGTGTGAGCGAGCCCTGTGC
GGCAGTGTGCGCACCTGCTGGGCTCGGCTCCGTGGCCTGTACCCTGTGTGGCCTCGTGGACTGCA
GTGACATGTACGAGAAAGTGCTGTGCCACAGCTGTCCATGTTTCGAGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203748 protein sequence
Red=Cloning site Green=Tags(s)
MPKRSCPFADVAPLQLKVRVRSQRELSRGVCAERYSQEVFDPSPGVASIIACSSCVRAVDGKAVCGQCERALC
GQCVRTCWGC SVACTLCLGLVDCSDMYEKVLCTSCAMFET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6324_g12.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_021709

ORF Size: 330 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_021709.3](#)

RefSeq Size: 595 bp

RefSeq ORF: 333 bp

Locus ID: 10572

UniProt ID: [O15304](#)

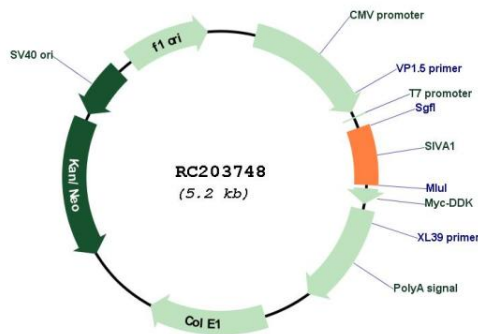
Cytogenetics: 14q32.33

Protein Families: Druggable Genome

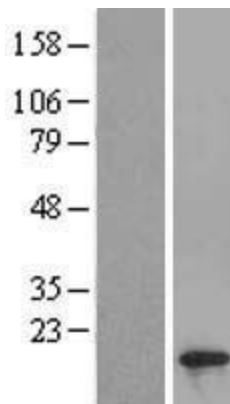
MW: 11.8 kDa

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 RC203748



Western blot validation of overexpression lysate (Cat# [LY411940]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203748 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).