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Product datasheet for RC239202

SDAD1 (NM_001288983) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDAD1 (NM_001288983) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SDAD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239202 representing NM_001288983
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCAACAGAAACAACAACAAGCTTCCCAGCAACCTGCCGCAGTTACAGAATCTAATCAAGCGAGACC
CGCCGGCCTACATCGAGGAGTTTCTACAGCAGTATAATCACTACAAATCCAATGTGGAGATTTTCAAATT
GCAACCAAATAAACCCAGCAAAGAACTAGCAGAGCTGGTGATGTTTATGGCACAGATTAGTCACTGCTAC
CCAGAGTACCTAAGTAATTTTCCTCAAGAGGTGAAAGATCTTCTCTCCTGCAATCATACCGTATTGGATC
CAGATCTGCGAATGACTTTATACACACATATTGTGACTGATATCAAGAATATAAATGCAAAACACAAGAA
CAATAAAGTGAATGTAGTATTGCAAAATTTCATGTACACCATGTTAAGAGATAGCAATGCAACCGCAGCC
AAGATGTCTTTAGATGTAATGATTGAACTCTACAGAAGGAACATCTGGAATGATGCAAAAACTGTCAATG
TTATCACAACTGCATGTTTCTCTAAGGTCACCAAGATATTAGTTGCCGCTTTGACATTCTTTCTTGGGAA
AGATGAAGATGAAAAACAGGACAGTGACTCCGAATCTGAGGATGATGGACCAACAGCAAGAGACCTGCTA
GTACAATATGCTACAGGGAAGAAAAGTTCCAAAAACAAGAAAAAGTTGGAAAAGGCAATGAAAGTGCTCA
AGAAACAAAAAAAGAAGAAAAAACCAGAGGTGTTTAACTTTTCAGCCATTCACTTGATTCATGATCCCCA
AGATTTTGCGGAAAAACTACTAAAGCAGCTTGAGTGCTGTAAGGAGAGGTTTGAAGTGAAGATGATGCTC
ATGAACCTTATCTCCAGATTGGTGGGAATTCATGAGCTTTTCCTCTTCAATTTCTATCCCTTTTTGCAAA
GGTTTCTGCAGCCCCACCAAAGAGAAGTAACCAAGATCCTTCTGTTTGCTGCACAAGCATCTCATCACCT
AGTACCCCCAGAGATTATTCAATCATTGCTTATGACTGTGGCAAACAATTTTGTTACCGACAAGAACTCT
GGAGAAGTCATGACAGTAGGAATCAATGCTATAAAGGAGATAACAGCTCGATGTCCTCTGGCCATGACTG
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TTTGATTCACCTCTTCCGAACACTGAATCCTCAGATGCTGCAGAAGAAATTCCGGGGTAAGCCTACAGAG
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TTCTGGAAGTTGAGAAAGAAGAGAATGCTGAAAATGATGAAGATGGATGGGAAAGTACCAGTCTCAGTGA
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TAACTCAGGAAGACTTCCAGAAAATCCGCATGGCCCAAATGAGAAAAGAACTTGATGCTGCCCCCGGGAA
ATCCCAGAAGAGGAAATACATTGAAATAGACAGTGATGAAGAGCCCAGGGGTGAATTACTTTCTCTTCGG
GACATTGAACGCCTTCATAAAAAGCCAAAGTCTGACAAAGAGACAAGACTAGCAACTGCAATGGCTGGAA
AGACAGACCGAAAAGAATTTGTGAGGAAGAAAACCAAAACAAATCCATTTTCCAGTTCGACAAATAAAGA
GAAGAAAAAACAGAAGAACTTTATGATGATGCGGTATAGCCAGAATGTCCGGTCAAAAAATAAGCGTTCC
TTCCGAGAAAAACAGTTGGCACTACGAGATGCACTTTTGAAAAAGAGAAAAAGAATGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

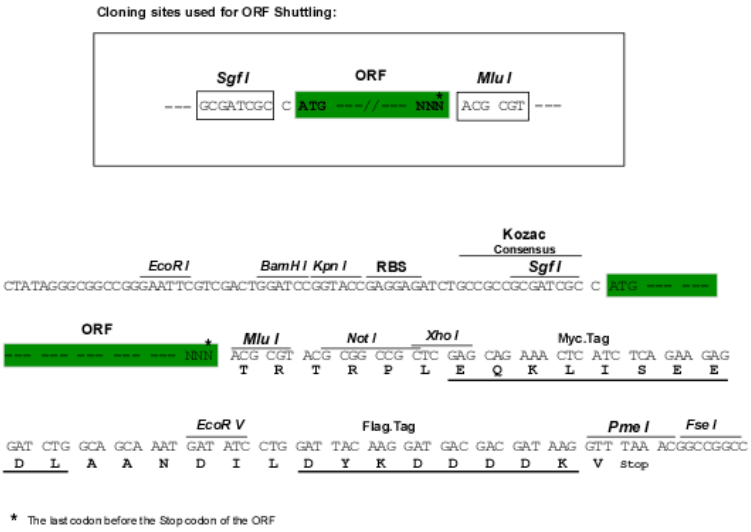
>RC239202 representing NM_001288983
Red=Cloning site Green=Tags(s)

MSNRNNNKLPSNLPQLQNLIKRDPPAYIEEFLQQYNHYKSNVEIFKLQPNKPSKELAELVMFMAQISHCY
PEYLSNFPQEVKDLLSCNHTVLDPDLRMTLYTHIVTDIKNINAKHKNNKVNVVLQNFMYTMLRDSNATAA
KMSLDVMIELYRRNIWNDAKTVNVITTACFSKVTKILVAALTFFLGKDEDEKQDSDSESEDDGPTARDLL
VQYATGKKSSKNKKKLEKAMKVLKKQKKKKKPEVFNFSAIHLIHDPQDFAEKLLKQLECCKERFEVKMML
MNLISRLVGIHELFLFNFYPFLQRFLQPHQREVTKILLFAAQASHHLVPPEIIQSLLMTVANNFVTDKNS
GEVMTVGINAIKEITARCPLAMTEELLQDLAQYKTHKDKNVMMSARTLIHLFRTLNPQMLQKKFRGKPTE
ASIEARVQEYGELDAKDYIPGAEVLEVEKEENAENDEDGWESTSLSEEEDADGEWIDVQHSSDEEQQEIS
KKLNSMPMEERKAKAAAISTSRVLTQEDFQKIRMAQMRKELDAAPGKSQKRKYIEIDSDEEPRGELLSLR
DIERLHKKPKSDKETRLATAMAGKTDRKEFVRKKTKTNPFSSSTNKEKKKQKNFMMMRYSQNVRSKNKRS
FREKQLALRDALLKKRKRMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288983

ORF Size: 1950 bp

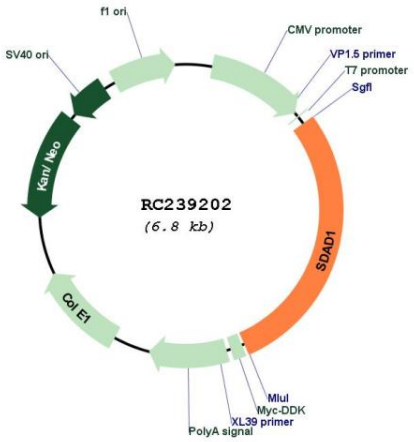
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001288983.1, NP_001275912.1
RefSeq Size:	2933 bp
RefSeq ORF:	1953 bp
Locus ID:	55153
UniProt ID:	Q9NVU7
Cytogenetics:	4q21.1
MW:	75.9 kDa
Gene Summary:	Required for 60S pre-ribosomal subunits export to the cytoplasm.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239202