

Product datasheet for **RC227465**

SCAI (NM_001144877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAI (NM_001144877) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCAI
Synonyms:	C9orf126; NET40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227465 representing NM_001144877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTCAGAGGAGCCCGCAGCCCCAGCAGCCGCGGAGTCGCCTGGCCCCAGACTGACTGGCACAGTGG
 AGAAACCGCCTCGAAAACGGAGAAGCAGGACTGAATTTGCTCTTAAAGAAATCATGTCTCTGGAGGTGC
 TGAAGATGATATCCACAGGGAGAGAGGAAAACAGTTACAGATTTTTGTTATCTTCTGGATAAATCTAAG
 CAACTGTTCAATGGGTTAAGAGATTTGCCACAATATGGACAGAAGCAGTGGCAGTCTATTTTGGAAAGAA
 CTTTTGATGTTTACACCAAACCTGGAAGTTCAGCAGCAGCATCGACAAGTCTTGGATAATCGGTATGG
 CTTGAAGCGCTGGCAAATAGGAGAAATTGCTTCCAAGATTGGGCAGCTATACTATCATTACTTACTACGC
 ACATCGGAAACCAGCTATCTGAATGAGGCTTTTTCTTCTATTCTGCAATCAGACAGAGATCATATTATT
 CTCAAGTCAATAAAGAGGACAGACCTGAATTGGTAGTTAAGAAGTACGATATTATGCAAGATTTATAGT
 AGTTTGTCTTCTCAACAAAATGGATGTTGTAAGGATCTGGTAAAGGAATTGTCAGATGAAATTGAA
 GATTATACTCACCAGTTAATACTGAAGATCAAGTGAATGGAACCTGGTGCTTCAAGAAGTAGCAGCTT
 TCATTGAGGCGGATCCTGTAATGGTATTAATGATGATAATACCATTGTTATCACATCGAATCGCCTTGC
 TGAACAGGAGCCCCATTGCTGGAACAGGGCATGATTGTGGGACAGTTGTCTCTGGCTGACGCACTCATT
 ATGGTAATTGTAATAATCAGGTTAAGTTCAGTGAACAACTGTTGACATGTTCCGGATGTTACAAGCTC
 TGGAAAGGGAGCCAATGAATTTAGCTTCCCAGATGAATAAACCAGGAATGCAGGAATCAGCTGACAAGCC
 TACTAGACGAGAAAACCCCAAGTATCTGCTCTACAAACCACTTACGCCAGCTATACCTTCTTA
 GCAGCGCTTTTTAAGGAGCTGCCTGCCAATAGCGTGCTTCTGATTTACCTGTCCGCCACTGGCGTTTTCC
 CCACAGTCTGTTGATAGTGAAGTCTTATGATTTTTGGAGGTGACTTACTAATAGTAACCGGGATAT
 TATTAATGGAGATGCCATCCACAACGAAATCAGTCCCACAAGGAAATGCACTGCCTTCAATCCCGGGAT
 CTCTATCCTTACCAGGAAGCCACTGTTTCATCATTGTGGATTGCTCTAATAGTGTGCGTATAAGAATT
 TCACAACTTGTGGACAGCCACTAGTCTGCTTCTCTCTACAGCATATCCAAAAGCTTTACAAGA
 TCAATCTCAGCGAGGTAGCCTCTTCACTCTTTTTGAACAATCCTCTAATGGCCTTCTATTTGTCTCT
 GGATTGTCAAGCATGCGCAGAGGCTATGGAAAAGTGTCAAGAATATCTTCGAAAAATCAACCGTGATA
 TTGCCAGCTACTGACTCATTACGTTCAATAGATCAGGCATTTCTCCAGTTTTTGGAGATGAATTTCT
 TCGCTTGTCTCTACAAGATTTATTTTTGTTCCAGCCACCATGAGGATGCACAAGATTTTTCGGAAACA
 CGAAATTATCCAGATCATATCCACAACGCCAAGGGATGAAACAGTGGAGAATCCTCATCTCCAGAAGC
 ACATTTTGAATTAGCATCCATTCTGGATGTTCAAAACGTGTTCTTTGAGAATACCATTGATGACTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227465 representing NM_001144877
 Red=Cloning site Green=Tags(s)

MVRGARQPQQPRSLAPRLTGTVEKPPRRSRTEFALKEIMSSGGAEDDIPQGERKTVTDFCYLLDKSK
 QLFNGLRDL PQYGQKQWQSYFGRTFDVYTKLWKFQQHRQVLDNRYGLKRWQIGEIASKIGQLYYHYLRL
 TSETSYLNEAFS FYSAIRQRSYYSQVNKEDRPELVVKKLRYARFIVVCLLLNKMDVVKDLVKELSDEIE
 DYTHRFNTEdqVEWNLVLQEVAAFIEADPVMVLDNDNTIVITSNRLAETGAPLLEQGMIVGQLSLADALI
 IGNCANNQVKFSELTVDMFRMLQALEREPMNLASQMNKPGMQESADKPTRRENPHKYL LYKPTFSQLYTFL
 AASFKELPANSVLLIYLSATGVFPTGRSDSEGPYDFGGVLTNSNRDIINGDAIHKRNQSHKEMHCLHPGD
 LYPFTRKPLFIIVDSSNSVAYKNFTNLFQPLVCLLSPTAYPKALQDQSQRGSFLFLNPLMAFLFVS
 GLSSMRRLWEKQCYLRKINRDI AQLLTHSRSDQAF LQFFGDEFLLRLLTRFIFCSATMRMHKIFRET
 RNPESYPQLPRDETVENPHLQKHILELASILDVRNVFFENTIDY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001144877

ORF Size: 1818 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

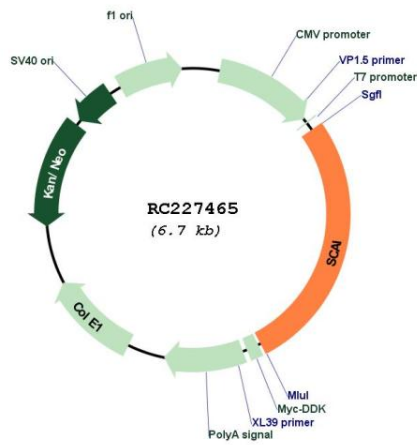
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001144877.3](#)

RefSeq Size: 12152 bp
 RefSeq ORF: 1821 bp
 Locus ID: 286205
 UniProt ID: [Q8N9R8](#)
 Cytogenetics: 9q33.3
 MW: 70.4 kDa

Gene Summary: This gene encodes a regulator of cell migration. The encoded protein appears to function in the RhoA (ras homolog gene family, member A)-Dia1 (diaphanous homolog 1) signal transduction pathway. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]

Product images:



Circular map for RC227465