

Product datasheet for **SC325225**

SCAI (NM_001144877) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: SCAI

Synonyms: C9orf126; NET40

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001144877, the custom clone sequence may differ by one or more nucleotides

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ATGGTCAGAGGAGCCCGGCAGCCCCAGCAGCCGCGAGTCGCCTGGCCCCAGACTGACT
GGCACAGTGGAGAAACCGCCTCGAAAACGGAGAAGCAGGACTGAATTTGCTCTTAAAGAA
ATCATGTCTCTGGAGGTGCTGAAGATGATATCCACAGGGAGAGAGGAAAACAGTTACA
GATTTTTGTTATCTTCTGGATAAATCTAAGCAACTGTTCAATGGGTTAAGAGATTTGCCA
CAATATGGACAGAAGCAGTGGCAGTCCTATTTTGAAGAACTTTTGATGTTTACACCAAA
CTCTGGAAGTTCCAGCAGCAGCATCGACAAGTCTTGGATAATCGGTATGGCTTGAAGCGC
TGGCAATAGGAGAAATTGCTTCCAAGATTGGGCAGCTATACTATCATTATTACTTACGC
ACATCGGAAACCAGCTATCTGAATGAGGCTTTTTCCTTCTATTCTGCAATCAGACAGAGA
TCATATTATTCTCAAGTCAATAAAGAGGACAGACCTGAATTGGTAGTTAAGAAGTTACGA
TATTATGCAAGATTTATAGTAGTTTGTCTTCTTCTCAACAAAATGGATGTTGTAAAGGAT
CTGGTAAAGGAATTGTGATGAAATTGAAGATTATACTCACCGATTTAATACTGAAGAT
CAAGTGAATGGAACCTTGGTCTTCAAGAAGTAGCAGCTTTCATTGAGGCGGATCCTGTA
ATGGTATTAATGATGATAATACCATTGTTATCACATCGAATCGCCTTGCTGAAACAGGA
GCCCATTTGCTGGAACAGGGCATGATTGTGGGACAGTTGTCTCTGGCTGACGCACTCATT
ATTGGTAATTGTAATAATCAGGTTAAGTTCAGTGAACAACTGTTGACATGTTCCGGATG
TTACAAGCTCTGGAAGGGAGCCAATGAATTTAGCTTCCCAGATGAATAAACCAGGAATG
CAGGAATCAGCTGACAAGCCTACTAGACGAGAAAACCCCAAGTATCTGCTCTACAAA
CCAACCTTCAGCCAGCTATATACCTTCTTAGCAGCGTCTTTTAAGGAGCTGCCTGCCAAT
AGCGTGCTTCTGATTTACCTGTGCGGCACTGGCGTTTTCCCAACAGGTCGTTCTGATAGT
GAAGGTCTTATGATTTTGGAGGTGTACTTACTAATAGTAACCGGATATTATTAATGGA
GATGCCATCCACAAACGAAATCAGTCCCAAGGAAATGCACTGCCTTCATCCCGGGGAT
CTCTATCCTTTACCAGGAAGCCACTGTTTCATCATTGTGGATTCTGCTAATAGTGTTCG
TATAAGAAATTTACAAACTTGTGTTGACAGCCACTAGTCTGCTTGTCTTCTCTACAGCA
TATCCAAAAGCTTTACAAGATCAATCTCAGCGAGGTAGCCTCTTCACTCTCTTTTGAAC
AATCCTCTAATGGCCTTCTATTTGTCTCTGGATTGTCAAGCATGCGCAGAGGCCTATGG
GAAAAGTGTCAAGAATATCTTCGAAAATCAACCGTGATATTGCCAGCTACTGACTCAT
TCACGTTCAATAGATCAGGCATTTCTCCAGTTTTTTGGAGATGAATTTCTCGCTTGCTC
CTCACAAGATTTATCTTTTGTTCAGCCACCATGAGGATGCACAAGATTTTTCGGGAAACA
CGAAATATCCAGAATCATATCCCAACTGCCAAGGGATGAAACAGTGGAGAATCCTCAT
CTCCAGAAGCACATTTTGAATTAGCATCCATTCTGGATGTTGAAACGTGTTCTTTGAG
AATACCATTGATGACTAT
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Restriction Sites:	Please inquire
ACCN:	NM_001144877
Insert Size:	12152 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001144877.1 , NP_001138349.1
RefSeq Size:	12152 bp
RefSeq ORF:	1821 bp
Locus ID:	286205
UniProt ID:	Q8N9R8

Cytogenetics: 9q33.3

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)-Dial (diaphanous homolog 1) signal transduction pathway. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.