

Product datasheet for **SC318291**

SCYL1 (NM_020680) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCYL1 (NM_020680) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCYL1
Synonyms:	GKLP; HT019; NKTL; NTKL; P105; SCAR21; TAPK; TEIF; TRAP
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020680, the custom clone sequence may differ by one or more nucleotides

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ATGTGGTTCTTTGCCCGGGACCCGGTCCGGGACTTTCGGTTCGAGCTCATCCCGGAGCCC
CCAGAGGGCGGCCTGCCCGGGCCCTGGGCCCTGCACCCGCGCCGCAAGAAGGCCACAGGC
AGCCCCGTGTCCATCTTCGTCTATGATGTGAAGCCTGGCGCGGAAGAGCAGACCCAGGTG
GCCAAAGCTGCCTTCAAGCGCTTCAAAACTCTACGGCACCCCAACATCCTGGCTTACATC
GATGGACTGGAGACAGAAAAATGCCTCCACGTCGTGACAGAGGCTGTGACCCCGTTGGGA
ATATACCTCAAGGCGAGAGTGGAGGCTGGTGGCCCTGAAGGAGCTGGAGATCTCCTGGGG
CTACACCAGATCGTAAAAGCCCTCAGCTTCTGGTCAACGACTGCAGCCTCATCCACAAC
AATGTCTGCATGGCCGCGTGTTCGTGGACCGAGCTGGCGAGTGAAGCTTGGGGCCCTG
GACTACATGTATTGCGCCAGGGCAACGGTGGGGGACCTCCCCGAAGGGGATCCCCGAG
CTTGAGCAGTATGACCCCCGGAGTTGGCTGACAGCAGTGGCAGAGTGGTCAGAGAGAAG
TGGTCAGCAGACATGTGGCGCTTGGGCTGCCTCATTTGGGAAGTCTTCAATGGGCCCTA
CCTCGGGCAGCAGCCCTACGCAACCCTGGGAAGATCCCCAAAACGCTGGTGCCCCATTAC
TGTGAGCTGGTGGGAGCAAAACCCCAAGGTGCGTCCCAACCCAGCCCGCTTCTGCAGAAC
TGCCGGGCACCTGGTGGCTTCATGAGCAACCGCTTGTAGAAACCAACCTTCTCCTGGAG
GAGATTAGATCAAGAGCCAGCCGAGAAGCAAAAATTCTCCAGGAGCTGAGCAAGAGC
CTGGACGCATTCCCTGAGGATTTCTGTCCGCACAAGGTGCTGCCCCAGCTGCTGACCGCC
TTCGAGTTCGGCAATGCTGGGGCCGTTGTCTCACGCCCTCTTCAAGGTGGGCAAGTTC
CTGAGCGCTGAGGAGTATCAGCAGAAGATCATCCCTGTGGTGGTCAAGATGTTCTCATCC
ACTGACCCGGCCATGCGCATCCGCCTCTGCAGCAGATGGAGCAGTTCATCCAGTACCTT
GACGAGCCAACAGTCAACACCCAGATCTTCCCCACGTCGTACATGGCTTCTGGACACC
AACCTGCCATCCGGGAGCAGACGGTCAAGTCCATGCTGCTCCTGGCCCCAAAGCTGAAC
GAGGCCAACCTCAATGTGGAGCTGATGAAGCACTTTGCAGGGCTACAGGCCAAGGATGAA
CAGGGCCCCATCCGCTGCAACACCACAGTCTGCCTGGGCAAAAATCGGCTCCTACCTCAGT
GCTAGCACACAGGCTCCTTACCTCTGCCTCAGCCGAGCCACTAGGGACCCGTTT
GCACCGTCCCAGGTTGCGGGTGTCTGGGCTTTGCTGCCACCCACAACCTCTACTCAATG
AACGACTGTGCCAGAAGATCCTGCCTGTGCTCTGCGGTCTCACTGTAGATCCTGAGAAA
TCCGTGCGAGACCAGGCCTTCAAGGCCATTCGGAGCTTCTGTCCAAATTGGAGTCTGTG
TCGGAGGACCCGACCCAGCTGGAGGAAGTGGAGAAGGATGCCATGCAGCCTCCAGCCCT
GGCATGGGAGGAGCCGACGCTAGCTGGGCAGGCTGGGCCGTGACCGGGGTCTCCTCACTC
ACCTCAAAGCTGATCCGTTTCGCACCCAACCACTGCCCAACAGAAACCAACATCCCCAA
AGACCCACGCCTGAAGGAGTTCCTGCCCCAGCCCCACCCTGTTCTGCCACCCCTACA
ACCTCAGGCCACTGGGAGACGCAGGAGGAGGACAAGGACACAGCAGAGGACAGCAGCACT
GCTGACAGATGGGACGACGAAGACTGGGGCAGCCTGGAGCAGGAGGCCGAGTCTGTGCTG
GCCCAGCAGGACGACTGGAGCACCGGGGGCCAAGTGAAGCCGTGCTAGTCAGGTACAGCAAC
TCCGACCAAAAATCCTCCAAATCCCCAGAGTCCGACTGGAGCAGCTGGGAAGCTGAGGGC
CTGGCCAGCGAGTATAACTGGGGTGGCCAGAGTCCAGCGACAAGGGCGACCCCTTCGCT
ACCCTGTCTGCAGTCCCAGCACCCAGCCGAGCCAGACTCTTGGGGTGAAGGACAACCTGG
GAGGGCCTCGAGACTGACAGTGCACAGGTCAAGGCTGAGCTGGCCGGAAGAAGCGCGAG
GAGCGGGCGGGAGATGGAGGCCAAACGCGCCGAGAGGAAGGTGGCCAAGGGCCCCATG
AAGCTGGGAGCCCGAAGCTGGAC

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Restriction Sites: Please inquire

ACCN: NM_020680

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_020680.3 , NP_065731.3
RefSeq Size:	2667 bp
RefSeq ORF:	2427 bp
Locus ID:	57410
UniProt ID:	Q96KG9
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a transcriptional regulator belonging to the SCY1-like family of kinase-like proteins. The protein has a divergent N-terminal kinase domain that is thought to be catalytically inactive, and can bind specific DNA sequences through its C-terminal domain. It activates transcription of the telomerase reverse transcriptase and DNA polymerase beta genes. The protein has been localized to the nucleus, and also to the cytoplasm and centrosomes during mitosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (A) represents the longer transcript and encodes the longer isoform (A).</p>

