

Product datasheet for **SC315452**

SCYL1 (NM_001048218) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCYL1 (NM_001048218) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCYL1
Synonyms:	GKLP; HT019; NKTL; NTKL; P105; SCAR21; TAPK; TEIF; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



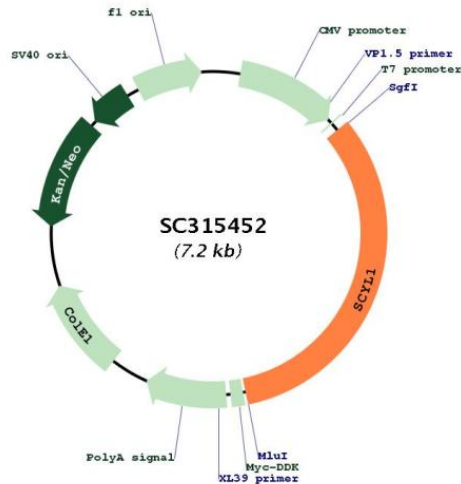
[View online »](#)

Fully Sequenced ORF: >SC315452 representing NM_001048218.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTGGTCTTTGCCCGGGACCCGGTCCGGGACTTTCGTTTCGAGCTCATCCCGAGCCCCAGAGGGC
GGCCTGCCCGGGCCCTGGGCCCTGCACCCGGCCGCAAGAAGGCCACAGGCAGCCCCGTGCCATCTTC
GTCTATGATGTGAAGCCTGGCGCGGAAGAGCAGACCCAGGTGGCCAAAGCTGCCTTCAAGCGCTTCAA
ACTCTACGGCACCCCAACATCCTGGCTTACATCGATGGACTGGAGACAGAAAAATGCCTCCACGTGCTG
ACAGAGGCTGTGACCCCGTTGGGAATATACCTCAAGGCGAGAGTGGAGGCTGGTGGCCTGAAGGAGCTG
GAGATCTCCTGGGGGCTACACCAGATCGTGAAGCCCTCAGTTCCTGGTCAACGACTGCAGCCTCATC
CACAACATGTCTGCATGGCCGCCGTGTCGTGGACCGAGCTGGCGAGTGGAAAGCTTGGGGGCTGGAC
TACATGTATTGGCCAGGGCAACGGTGGGGGACCTCCCCGAAGGGGATCCCCGAGCTTGAGCAGTAT
GACCCCCGGAGTTGGCTGACAGCAGTGGCAGAGTGGTCAGAGAGAAGTGGTCAGCAGACATGTGGCGC
TTGGGCTGCCTCATTTGGGAAGTCTTCAATGGGCCCTACCTCGGGCAGCAGCCCTACGCAACCCTGGG
AAGATCCCCAAAACGCTGGTGGCCCACTACTGTGAGCTGGTGGGAGCAAACCCCAAGGTGCGTCCCAAC
CCAGCCCGCTTCCCTGCAGAACTGCCGGGACCTGGTGGCTTCATGAGCAACCGCTTTGTAGAAAACCAAC
CTTCTCCTGGAGGAGATTAGATCAAAGAGCCAGCCGAGAAGCAAAAATCTTCCAGGAGCTGAGCAAG
AGCCTGGACGCATTCCCTGAGGATTTCTGTGCGCACAAGTGGTGGCCCGAGCTGCTGACCGCCTTCGAG
TTCGGCAATGCTGGGGCCGTGTCCTCACGCCCTCTTCAAGGTGGGCAAGTTCCTGAGCGCTGAGGAG
TATCAGCAGAAGATCATCCCTGTGGTGGTCAAGATGTTCTCATCCACTGACCGGGCCATGCGCATCCGC
CTCCTGCAGCAGATGGAGCAGTTCATCCAGTACCTTGACGAGCCAACAGTCAACACCCAGATCTTCCCC
CACGTCGTACATGGCTTCTGACACCAACCCCTGCCATCCGGGAGCAGACGGTCAAGTCCATGCTGCTC
CTGGCCCCAAAGCTGAACGAGGCCAACCTCAATGTGGAGCTGATGAAGCACTTTCACGGCTACAGGCC
AAGGATGAACAGGGCCCCATCCGCTGCAACACCACAGTCTGCCTGGGCAAAAATCGCTCCTACCTCAGT
GCTAGCACACAGGAGTCCCTACCTCTGCCTCAGCCGAGCCACTAGGGACCCGTTTGCACCGTCC
CGGGTTCGGGTGTCCTGGGCTTGTGTCACCCACAACCTCTACTCAATGAACGACTGTGCCCAGAAG
ATCCTGCCTGTGCTCTGCGGTCTACTGTAGATCCTGAGAAATCCGTGCGAGACCAGGCCTTCAAGGCC
ATTCGGAGCTTCTGTCCAAATGGAGTCTGTGTCGGAGGACCCGACCCAGCTGGAGGAAGTGGAGAAG
GATGTCCATGCAGCCTCCAGCCCTGGCATGGGAGGAGCCGAGCTAGCTGGCAGGCTGGGCCGTGACC
GGGTCTCCTCACTCACCTCCAAGCTGATCCGTTGCGACCCAACCACTGCCCAACAGAAACCAACATT
CCCCAAAGACCCACGCTGAAGGCCACTGGGAGACGACAGGAGGAGACAAGGACACAGCAGAGGACAGC
AGCACTGCTGACAGATGGGACGACGAAGACTGGGGCAGCCTGGAGCAGGAGGCGGAGTCTGTGCTGGCC
CAGCAGGACGACTGGAGCACCGGGGGCCAAGTGAAGCCGTGCTAGTCAAGTCAAGTCAAGTCAAGTCAAGT
TCTTCAAATCCCAGAGTCCGACTGGAGCAGTGGGAAGCTGAGGGCTCCTGGGAACAGGGCTGGCAG
GAGCAAGCTCCCAGGAGCCACCTCCTGACGGTACACGGCTGGCCAGCGAGTATAACTGGGGTGGCCCA
GAGTCCAGCGACAAGGGCGACCCCTTCCGCTACCTGTCTGCACGTCCCAGCAGCCAGCCGAGGCCAGAC
TCTTGGGTGAGGACAACCTGGGAGGGCTCGAGACTGACAGTGCAGAGTCAAGGCTGAGCTGGCCCGG
AAGAAGCGGAGGAGCGCGCGGGAGATGGAGGCCAAACGCGCCGAGAGGAAGTGGCCAAGGGCCCC
ATGAAGCTGGGAGCCCGAAGCTGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001048218

Insert Size: 2376 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM_001048218.1](#)

RefSeq Size: 2616 bp

RefSeq ORF: 2376 bp

Locus ID: 57410

UniProt ID: [Q96KG9](#)

Cytogenetics: 11q13.1

Protein Families:	Druggable Genome, Protein Kinase
MW:	88.1 kDa
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 (B), also known as 1, uses an alternate in-frame splice site in the 3' coding region, compared to variant A. It encodes isoform B, which is shorter than isoform A.</p>