

## Product datasheet for **SC309678**

### STK31 (NM\_032944) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STK31 (NM\_032944) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STK31  
**Synonyms:** SGK396; TDRD8  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032944, the custom clone sequence may differ by one or more nucleotides

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ATGGATGAAGATACACATTACGATAAAGTGAAGATGTGGTTGGAAGTCACATAGAAGAT
GCAGTAACATTTTGGGCCAGAGTATCAATAGAAATAAGGATATCATGAAGATTGGTTGC
TCACTGTCTGAAGTTTGCCTCCAGGCCAGTTCAGTTTTGGGGAATCTTGACCCAAACAAG
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ATCAGCGTTGAAAAGTGTCTGGTGAAGTACATTGACTATGGAAAATCTGAAATTTCTAAAT
CGATCTGATATAGTTGAAATTCCTTTGGAGCTGCAGTTTTCTAGTGTGCCAAAAAGTAT
AACTTTGGGGACTACACATTCCTTCTGATCAAGAAGTTACCCAGTTTGATCAGGGCACA
ACCTTTTTGGGGAGCTTGATTTTTGAAAAGGAAATAAAAATGAGAATTAAGCAACCTCT
GAAGATGGAACAGTTATTGCTCAGGCTGAGTATGGCAGTGTGGATATAGGGGAAGAGGTG
CTTAAGAAAGGATTTGCAGAGAAATGCAGACTTGCTTCCAGAAGTACATCTGTGAGGAA
AAAAAATTGGATCCTGGTCAACTTGTCTCAGGAACCTCAAAGCCCCATTCTTTGTGG
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ACTCTTGACTTGAAGGATGAAAAATGATGCAGGCAATCTTATAACATTTCCAAAGGAAAGT
TTGGCTGTTGGTACTTTAATTTAGGGTCTAACGTCAGCCTGGAAAAAATTAAGCAGGAC
CAGAAACTGATTGAAGAAAATGAAAACTTAAAACAGAGAAGGACGCTCTTCTTGAAGT
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AATATTAACCTTGTGAATATGTGAGTGAAGGGAATTTTTGATTGCCAAAGAAATGAA
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CAAGCCAAAGAAGGAGCAAATTCGATGAAATACTTAAAAAATTTTATGACTGGAAGTGT
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GTAGCATGGTTCCAAAGAACCTTAAAGGTTTTTGACCTATCTGTGGAAGGATCACTGATT
TCAGAAGACGCAATGGATAATATTGATGAAATCCTAGAGAAGACTGAGTCAAGTGTCTGC
AAAGAGCTGGAGATAGCTCTGGTTGATCAAGGTGATGCAGACAAGGAGATAATTTCAAAT
ACATATAGTCAAGTACTGAAAAGATTCATTTCAGAGGAAAGGCTCATTGCCACAGTACAA
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GCTAAGTACAAGGACAGTATTGAGTTTAAAAAGCAGCTTATTGAATATTTAAATAAGAGT  
 CCCAGTGTGGATCACTTGCTATCCATTAAGAAGACATTGAAAAGCTTAAAAGCTCTACTC  
 AGATGGAAATTGGTTGAAAAGAGTAATTTGGAAGAGTCAGATGATCCTGATGGCTCTCAA  
 ATTGAGAAAATAAAAAGAAGAAATAACTCAGCTGCGCAATAATGTCTTTCAGGAAATTTAT  
 CATGAGAGAGAGGAATATGAGATGCTAACTAGTTTGGCACAGAAATGGTTCCTGAGCTG  
 CCTCTGCTTCATCCTGAAATAGGATTACTCAAATACATGAACTCTGGTGGTCTCCTTACA  
 ATGAGCTTGGAAACGAGATCTTCTTGATGCTGAGCCCATGAAGAACTTAGCAGCAAGCGT  
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 TCGGTGAACATGATGGTTGGTGACTTGAGTTTGTGTCACCTGAGTTGAAAATGGGAAAA  
 CCTGCTTCTCCAGGTTGAGACTTATATGCTTATGGCTGCCTCTTATTATGCTTTCTGTT  
 CAAAATCAGGAGTTTGAGATAAATAAAGATGGAATCCCCAAAGTGGATCAGTTTCATCTG  
 GATGATAAAGTCAAATCCCTCCTCTGTAGCTTGATATGTTATAGAAGTTCAATGACTGCT  
 GAACAAGTTTTAAATGCTGAATGTTTCTTGATGCCAAAGGAGCAATCAGTTCCAAACCCA  
 GAAAAAGATACTGAATACACCCTATATAAAAAGGAAGAAGAAATAAAGACGGAGAAGTTG  
 GATAAATGTATGGAGAAGACAAGAAATGGTGAAGCCAACCTTTGATTGTTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_032944

**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\\_032944.1](#), [NP\\_116562.1](#)

**RefSeq Size:**

3616 bp

**RefSeq ORF:**

3570 bp

**Locus ID:**

56164

UniProt ID: [Q9BXU1](#)

Cytogenetics: 7p15.3

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene is similar to a mouse gene that encodes a putative protein kinase with a tudor domain, and shows testis-specific expression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (2) uses an alternate splice-site in the 5' end that results in translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform b) has a shorter N-terminus, compared to isoform a.