

Product datasheet for **SC105467**

STK3 (BD127594) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK3 (BD127594) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BD127594, the custom clone sequence may differ by one or more nucleotides

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AAAAGTTGGTCCGAGTCCAGAGTTCCCTCTGTGGTGCCTAGGCTCGGCCGGCCGGTGGCCCGGCTC
CTTTCCTCCTTCGGCCTTCGCCGTCACCAGGTCCTCTCTGTCCCCGGCCGCCATGGAGCAGCCGC
CGGCGCCTAAGAGTAACTAAAAAGCTGAGTGAAGACAGTTTGACTAAGCAGCCTGAAGAAGTTTTGA
TGTATTAGAGAAGCTTGGAGAAGGGTCTTATGGAAGTGTATTTAAAGCAATACACAAGGAATCCGGTCAA
GTTGTGCAATTAACAAGTACCTGTTGAATCAGATCTTCAGGAAATAATCAAAGAAATTTCCATATGC
AGCAATGTGACAGCCCATATGTTGTAAGTACTATGGCAGTTATTTAAGAATACAGACCTCTGGATTGT
TATGGAGTACTGTGGCGCTGGCTCTGTCTCAGACATAATTAGATTACGAAACAAGACAGGATTCTTAACA
GATACCACTGAAGGAAGTCTAGCTGTGATTTGAGAATGGATCTAACGCTTTTCCATCTTGAGCTGAAT
TCTTACATTACCTTCTTCTATATGAAGCAGATCCTCTCATGTGTTTTCTCCCTCTTGGTGTTCAGT
ATAAATCTGACCATTTTGAATAGTTGGGTATGGACCTATCCAGTCTCATGAAAAGTCTTACAGATATGA
GAAAGAATTAAGCATCTGTTTTCAATAAAATGCTCATAAAGCCACCCATTAATGTACTCAGGGTGAAGA
AATCAAAAAAATTATTGGCCAGTTAATAGAAGATGAAATTGCAACCATTCTAAATCTACATTGAAAGGA
CTAGAATATTTGCACTTTATGAGAAAAATACACAGAGATATAAAAGCTGGAAATATTCTCCTCAATACAG
AAGGACATGCAAAATGGCAGATTTTGGAGTGGCTGGTCAGTTAACAGATACAATGGCAAAACGCAATAC
TGTAATAGGAACCTCATTGATGGCTCCTGAGGTGATTCAAGAAATAGGCTATAACTGTGTGGCCGAC
ATCTGGTCCCTTGGCATTACTTCTATAGAAATGGCTGAAGGAAAACCTCCTTATGCTGATATACATCCAA
TGAGGTAATGCCTTGATTGGTTGTGCACCTGTGCAGTAGTTGAAAATGGATATGAGTACACAATTCAG
GACCTCCCTGCTTCCCTGTAGATCATTGGCCGATGCTATTTTTATGATTCCCACAAATCCACCACCAA
CATTTCAGAAAGCCAGAACTTTGGTCCGATGATTTACCGATTTTGTAAAAAGTGTGGTGAAGAATCC
TGAGCAGAGAGCTACTGCAACACAACCTTTACAGGTGAGTCTTGTGCCTCGAAGGGAAGGATATTTCT
TCATACCTTTAGCTTTCTGACATTGGCCAGAATTGCTGTGTGTTTCATAACTGATTTCTAAAGATGTA
ACCTCCCTCCCTCCTGTTTGCTCCCTCTTTCTTCTCCCTCTCGTCCCCTCATTCCCCCAGAG
TCATTTTAAAAACAAAATTTCAAAGCATTCTCCTTTAGAAAGGAATCTTGTCTTCATAGTTACTATTT
CTCATGTTTTTTTTCTTCTGTTCCTTGACTCAGCATTATCCTTTGACTTTTTGCTCCACCATAAAAT
ATGTAAGTACAAGATCCCTGGACTCCTGAAGAGATTATCACGTTGTAATATCAGTTACAGGATTATCT
AAATGAAGAGCTTCAGAGTTTCAATTTTTTTGATAGAATAATTGTAAGTAGACTTTGTATCAGAATGTC
AGTAGATTTTAAATCTACCTTAAATTTAATGCAAAATAGAAATAATTTAATATTTATAATAGGTGTTG
TGAATCTTAATTTCCCAACAGAATAGTCTTAGAACTTTAGCTAATAATAAGTATGTCTCACATTAACA
AAACTTGATATTTGCTAAATGATTTCTATTGTTAAGTGACAAAAGGATGAAAACATGGTCTTGTAAAA
AGGGACTTCCCTGTCTCTAAAGGAACCATTGGGTT
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5' Read Nucleotide Sequence:	>OriGene 5' read for BD127594 unedited TTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCCTCTGTGGTGCCTA GGCTCGGCGGCCGGTGCCCCGGCTCCTTTCTCCTTTTCGGCCTTCGCCGTCCACCAGGT CCCTCTCTCTGTCCCCGGCCGCATGGAGCAGCCGCCGGCGCCTAAGAGTAAACTAAAA AGCTGAGTGAAGACAGTTTGACTAAGCAGCCTGAAGAAGTTTTTGATGTATTAGAGAAGC TTGGAGAAGGGTCTTATGGAAGTGATTTAAAGCAATACACAAGGAATCCGGTCAAGTTG TCGCAATTAACAAGTACCTGTTGAATCAGATCTTCAGGAAATAATCAAAGAAATTTCCA TAATGCAGCAATGTGACAGCCCATATGTTGTAAGTACTATGGCAGTTATTTTAAGAATA CAGACCTCTGGATTGTTATGGAGTACTGTGGCGCTGGCTCTGTCTCAGACATAATTAGAT TACGAAACAAGACAGGATTCTTAACAGATACCACTGAAGGAAGTCTAGCTGTGATTGGA GAATGGATCTAACGCTTTTCCATCTTGGAGCTGAATTCTTACATTACCTTCTTCTATATG AAGCAGATCCTCTCATGTGTTTTCTCCCTCTTGGTGTTCAGTATAAATCTGACCAT TTTGAAATAGTTGGGTATGGACCTATCCAGCCTCATGAAAAGTCTTACAGATATGAGAAA GCAGAATTAAGCATCTGTTTTCCAATAAATGCTCATAAAGCCACCCATTAATGTACTCAG GGTGAAAAGGAATCAAAAATTATTGGCCAGTTAATAGAAGATGAAATTGCCACCATTCTT TAATTCTACATTGNAAGGACTCAGATAATTTGCCCTTTATGAGGAAAACCTACCCCGGA GATTTAAAAGCTGGGAATTT
Restriction Sites:	NotI-NotI
ACCN:	BD127594
Insert Size:	4700 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).
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:	<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:	BD127594.1
RefSeq Size:	2065 bp
RefSeq ORF:	2065 bp
Locus ID:	6788
Cytogenetics:	8q22.2
Domains:	TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway

Gene Summary: This gene encodes a serine/threonine protein kinase activated by proapoptotic molecules indicating the encoded protein functions as a growth suppressor. Cleavage of the protein product by caspase removes the inhibitory C-terminal portion. The N-terminal portion is transported to the nucleus where it homodimerizes to form the active kinase which promotes the condensation of chromatin during apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]