

## Product datasheet for RC220663

### STK31 (NM\_032944) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK31 (NM_032944) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK31
Synonyms:	SGK396; TDRD8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220663 representing NM_032944 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGAAGATACACATTACGATAAAAGTGAAGATGTGGTTGGAAGTCACATAGAAGATGCAGTAACAT  
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CCAGGCCAGTTCAGTTTTGGGAATCTTGACCCAAACAAGATTTATGGTGGATTATTTCTGAAGATCAG  
TGTTGGTACAGATGCAAAGTACTGAAAATCATCAGCGTTGAAAAGTGTCTGGTGAGGTACATTGACTATG  
GAAACTACTGAAATCTAAATCGATCTGATATAGTTGAAATTCCTTTGGAGCTGCAGTTTTCTAGTGTTC  
CAAAAAGTATAAACTTTGGGGACTACACATTCCTTCTGATCAAGAAGTTACCCAGTTTGATCAGGGCACA  
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CTGTGGAAGGATCACTGATTTTCAGAAGACGCAATGGATAATATTGATGAAATCCTAGAGAAGACTGAGTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAGGTTTAA

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**Protein Sequence:**

>RC220663 representing NM\_032944  
Red=Cloning site Green=Tags(s)

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MDEDTHYDKVEDVVGSHIEDAVTFWAQSIINRNDIMKIGCSLSEVCPQASSVLGNLDPNKIYGGLFSEDD
CWYRCKVLKIIISVEKCLVRYIDYGNTEILNRSDIVEIPLLELQFSSVAKKYKLWGLHIPSDEVTQFDQGT
TFLGSLIFEKEIKMRIKATSEDGTVIAQAEYGSVDIGEEVLKKGFAEKCRASRTDICEEKLDPGQLVL
RNLKSPIPLWGHRSNQSTFSRPGHLSKMTLDLKDENDAGNLITFPKESLAVGDFNLGSNVSLEKIKQD
QKLIIEENEKLTTEKDALLESYKALELQVEQIAQELQQEKAAAADLTNHLEYTLKTYIDTRMKNLAAKMEI
LKEMRHVDISVRFKDLSDAIQVLDGCFFTPASLNGLEIIWAEYSLAQENIKTCEYVSEGNILIAQRNE
MQQKLYMSVEDFIEVDESSLNKRKLTQLDLSVLEAVYGQAKEGANSDEILKFFYDWKCDKREEFTSVR
SETDASLHRLVAVFQRTLKVFDSLVEGSLISEDAMDNIDEILEKTESSVCKELEIALVDQGDADKEIISN
TYSQVLQKIHSEERLIATVQAKYKDSIEFKKQLIEYLNKSPSVDHLLSIKKTLSLKLALRWKLVEKSNL
EESDDPDGSGQIEKIKEEITQLRNNVFQEIYHEREYEMLTSLAQWFPPELLHPEIIGLLKYMNSGGLLT
MSLERDLLDAEPMKELSSKRPLVRSEVNGQIILLKGYSDVDTEAKVIERAATYHRAWREAEEDSGLLPL
IFLFLCKSDPMAYLMVPPYPRANLNAVQANMPLNSEETLKVMKGVAQGLHLLHKADIHHSLSLHQNQVFN
NREQGIQVDFDFTKSVSQRASVNMVGDLSLMSPELKMGPASPGSDLAYGCLLLWLVQNFQEFINKD
GIPKVDQFHLDDKVKSLCSLICYRSSMTAEQVLNAEFLMPKEQSVNPEKDEYTLYKKEEIKTENL
DKCMEKTRNGEANFDC

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032944

**ORF Size:** 2988 bp

**OTI Disclaimer:** 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

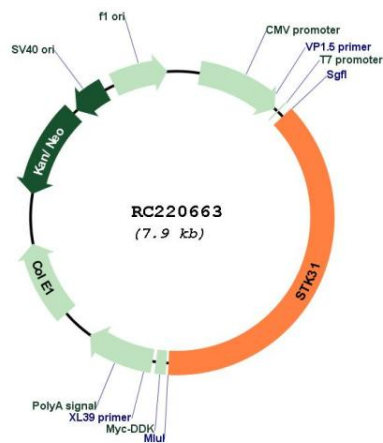
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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\\_032944.4](#)

**RefSeq Size:** 3570 bp

RefSeq ORF:	2991 bp
Locus ID:	56164
UniProt ID:	<u><a href="#">Q9BXU1</a></u>
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	113.3 kDa
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]

### Product images:



Circular map for RC220663