

Product datasheet for **RG220663**

STK31 (NM_032944) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK31 (NM_032944) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK31
Synonyms:	SGK396; TDRD8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220663 representing NM_032944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAAGATACACATTACGATAAAGTGAAGATGTGGTTGGAAGTCACATAGAAGATGCAGTAAAC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG220663 representing NM_032944
Red=Cloning site Green=Tags(s)

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MDEETHYDKVEDVVGSHIEDAVTFWAQSIINRNKDIMKIGCSLSEVCPQASSVLGNLDPNKIYGGLFSEDQ
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

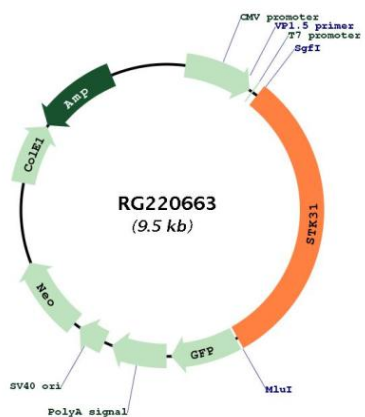


ACCN: NM_032944

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:	<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_032944.4
RefSeq Size:	3570 bp
RefSeq ORF:	2991 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]

Product images:



Circular map for RG220663