

## Product datasheet for **RC203195**

### STK40 (NM\_032017) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_032017) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK40
Synonyms:	Sgk495; SHIK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC203195 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTAGGAAGTGGGA  
 TTTCTGGAAATAATGCAAAGAGAGCTGGACCATTATCCTTGGTCCCGTCTGGGCAACTACCGGTGCC  
 AAGCATAGTGCAGTGTGGCGAGGAAAGATGGCACGGATGACTTCTATCAGCTGAAGATCCTGACCCTG  
 GAGGAGAGGGGGACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAGATGCTGCTGCACACCGAGT  
 ACTCACTGCTGTCTCTCCTGCACACGCAGGATGGCGTGGTGCACCACCACGGCCTCTCCAGGACCGCAC  
 CTGTGAAATCGTTGAGGACACAGAATCCAGCCGGATGGTAAAGAAGATGAAGAAGCGCATCTGCCTCGTC  
 CTGGACTGCCTGTGCTCATGACTTCAGCGATAAGACCGCTGACCTCATCAACCTGCAGCACTACGTCA  
 TCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGGAATCTTCTACGACGTGGTCCGCGTGGTGGAGGC  
 CCTGCACCAGAAAATATCGTGCACAGAGACCTGAAGCTGGGGAACATGGTGCTCAACAAGAGGACACAT  
 CGGATAACCATCACCAACTTCTGCCTCGGGAAGCATCTGGTGAGCGAGGGGGACCTGCTGAAGGACCAGA  
 GAGGGAGCCCTGCCTACATCAGTCCCGACGTGCTCAGCGGCCGGCCGTACCGTGGCAAGCCAGTGACAT  
 GTGGGCCCTGGCGTGGTGTCTTACCATGCTGTATGGCCAGTCCCCTTCTACGACAGCATCCCGCAG  
 GAGCTCTTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTGAGGATGGACGGGTTTCTGAGAACCAG  
 TGTGTCTCATCCGGAAGTGTGGTCTTGACCCCGCAGCGCCTGGCCGCCCGCAGCTCCTGGAGGC  
 CCTCAGTGCCATCATTGCATCATGGCAGTCCCTGTCTCTGAGTGGGCTTTGCAAGTGGTTCCTGAC  
 ATTGATGACCAATGAGCAATGCGGATAGTCCCAGGAGGCGAAGGTGACGGAGGAGTCTCCAGTACG  
 AGTTTGAGAACTACATGCGTTCAGCAGTGTCTGGCCGAGGAGAAGAGCTCCATCCATGACGCCCGGAG  
 CTGGGTACCCAAGCGGCAGTTCGGCAGCGCACACCCTGGTGGCAGCGCTGGGCCACGACGCACAGCCCATG  
 ACCTCCTTGACACGGCCATCCTGGCGACGCTACCTGCGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC203195 protein sequence  
 Red=Cloning site Green=Tags(s)

MKRRASDRGAGETSARAKALGSGISGNNAKRAGPFILGPRLGNSPVPSIVQCLARKDGTDDFYQLKILTL  
 EERGDQGIESQEERQGMILLHTEYSLLSLLHTQDGVVHHHGLFQDRTCEIVEDTESSRMVKKMKRICKLV  
 LDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVIFYDVVRVVEALHQKNIVHRDLKLGNMVLNKRTH  
 RITITNFCLGKHLVSEGDLKQDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLFMTLYGQFPFYDSIPQ  
 ELFRKIKAAEYTIPEGRVSENTVCLIRKLLVLDPPQRLAAADVLEALSAIIASWQSLSSLGQPLQVVPD  
 IDQMSNADSSQEAQVTEECSTYEFENYMRQQLLLAEKSSIHARSWVPKRQFGSAPPVRRLLGHDAQPM  
 TSLDTAILAQRYLK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6152\\_e07.zip](https://cdn.origene.com/chromatograms/mk6152_e07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_032017

**ORF Size:** 1305 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_032017.3](#)

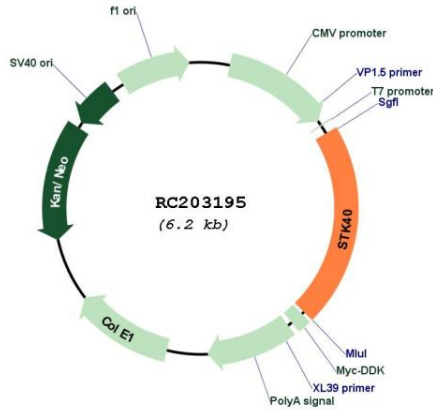
**RefSeq Size:** 3899 bp

**RefSeq ORF:** 1308 bp

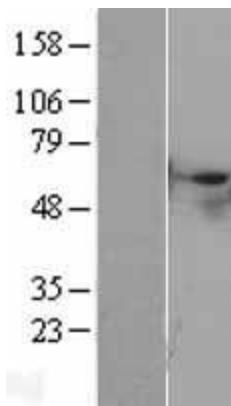
**Locus ID:** 83931

**UniProt ID:** [Q8N2I9](#)  
**Cytogenetics:** 1p34.3  
**Protein Families:** Druggable Genome, Protein Kinase  
**MW:** 49 kDa  
**Gene Summary:** May be a negative regulator of NF-kappa-B and p53-mediated gene transcription. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC203195



Western blot validation of overexpression lysate (Cat# [LY403137]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203195 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).