

## Product datasheet for **RC238244**

### STK40 (NM\_001282546) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_001282546) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK40
Synonyms:	SgK495; SHIK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238244 representing NM_001282546 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTAGGAAGTGGGA  
TTTCTGGAATAATGCAAAGAGAGCTGGACCATTATCCTTGCTCTCTGTGCCGTAGTCCCGTCTGGG  
CAACTCACCGGTCCAAGCATAGTGCAGTGTGGCGAGGAAAGATGGCACGGATGACTTCTATCAGCTG  
AAGATCCTGACCCCTGGAGGAGAGGGGGACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAGATGC  
TGCTGCACACCGAGTACTCACTGCTGTCTCCTGCACACGCAGGATGGCGTGGTGCACCACCACCGCCT  
CTTCCAGGACCGCACCTGTGAAATCGTTGAGGACACAGAATCCAGCCGGATGGTTAAGAAGATGAAGAAG  
CGCATCTGCCTCGTCTGGACTGCCTCTGTGCTCATGACTTCAGCGATAAGACCGCTGACCTCATCAACC  
TGCAGCACTACGTCATCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGGTAATCTTCTACGACGTGGT  
CCGCGTGGTGGAGGCCCTGCACCAGAAAAATATCGTGCACAGAGACCTGAAGCTGGGGAACATGGTGCTC  
ACAAGAGGACACATCGGATAACCATCACCAACTTCTGCCTCGGGAAGCATCTGGTGACGAGGGGGAC  
TGCTGAAGGACCAGAGAGGGGACCCTGCCTACATCAGTCCCGACGTGCTCAGCGCGGCGGTACCGTGG  
CAAGCCAGTGACATGTGGGCCCTGGGCGTGGTGTCTTACCATGCTGTATGGCCAGTTCCCTTCTAC  
GACAGCATCCCGCAGGAGCTCTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTGAGGATGGACGGG  
TTTCTGAGAACACCGTGTGTCTCATCCGGAAGCTGCTGGTCTTGACCCCGCAGCGCCTGGCCCGCC  
CGACGCTCTGGAGGCCCTCAGTGCCATATTGCATCATGGCAGTCCCTGTCTGAGTGGGCTTTG  
CAAGTGGTTCCTGACATTGATGACCAATGAGCAATGCGGATAGCTCCAGGAGGCGAAGGTGACGGAGG  
AGTGTCCAGTACGAGTTTGAAGTACATGCGTCAGCAGCTGCTGCTGGCCGAGGAGAAGAGCTCCAT  
CCATGACGCCCGGAGCTGGGTACCAAGCGGCAGTTCGGCAGCGCACCCCGGTGCGACGGCTGGCCAC  
GACGCACAGCCATGACCTCCTTGACACGGCCATCCTGGCGCAGCGCTACCTGCGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC238244 representing NM\_001282546  
Red=Cloning site Green=Tags(s)

MKRRASDRGAGETSARAKALGSGISGNNAKRAGPFILALCAVGPRLGNSPVPSIVQCLARKDGTDDFYQL  
 KILTLEERGDQGIESQEERQGMLLHTEYSLLSLLHTQDGVVHHHGLFQDRTEIVEDTESSRMVKKMKK  
 RICLVLDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVIFYDVRVVEALHQKNIIVHRDLKLGNMVL  
 NKRTHRITITNFCLGKHLVSEGDLLKDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLF TMLYGQFPFY  
 DSIPQELFRKIKAAEYTIPE DGRVSENTVCLIRKLLVLDPQQLAAADVLEALSATIASWQSLSSLSGPL  
 QVVPDIDDQMSNADSSQEAKVTEECSQYEFENYMRQQLLLAEKSSIHDARSWPKRQFGSAPPVRRLLGH  
 DAQPMTSLDTAILAQRYLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

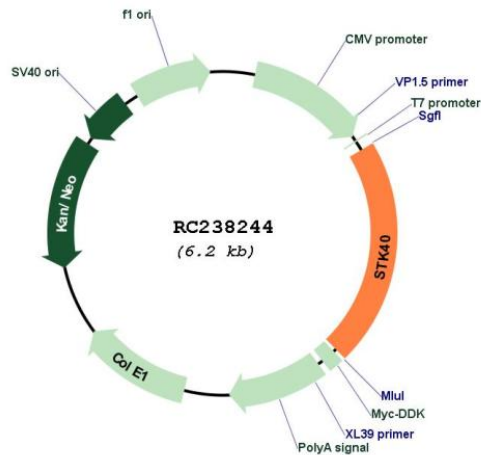
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001282546

<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282546.2</a>
<b>RefSeq Size:</b>	3677 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	83931
<b>UniProt ID:</b>	<a href="#">Q8N2I9</a>
<b>Cytogenetics:</b>	1p34.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	49.9 kDa
<b>Gene Summary:</b>	May be a negative regulator of NF-kappa-B and p53-mediated gene transcription. [UniProtKB/Swiss-Prot Function]