

Product datasheet for **RC238217**

STK40 (NM_001282547) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_001282547) 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)



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ORF Nucleotide Sequence:

>RC238217 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTAGGAAGTGGGA
 TTTCTGGAAATAATGCAAAGAGAGCTGGACCATTTCATCCTTGGTCCCGTCTGGGCAACTACCGGTGCC
 AAGCATAGTGCAGTGTGGCGAGGAAAGATGGCACGGATGACTTCTATCAGCTGAAGATCCTGACCCTG
 GAGGAGAGGGGGACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAGATGCTGCTGCACACCGAGT
 ACTCACTGCTGTCTCTCCTGCACACGCAGGATGGCGTGGTGCACCACCACGGCCTCTCCAGGACCGCAC
 CTGTGAAATCGTTGAGGACACAGAATCCAGCCGGATGGTAAAGAAGTGAAGAAGCGCATCTGCCTCGTC
 CTGGACTGCCTGTGTCTCATGACTTCAGCGATAAGACCGCTGACCTCATCAACCTGCAGCACTACGTCA
 TCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGTAATCTTCTACGACGTGGTCCGCGTGGTGGAGGC
 CCTGCACCAGAAAATATCGTGCACAGAGACCTGAAGCTGGGGAACATGGTGTCTAACAAGAGGACACAT
 CGGATAACCATCACCAACTTCTGCCTCGGGAAGCATCTGGTGAAGCGAGGGGGACCTGCTGAAGGACGAGA
 GAGGGAGCCCTGCCTACATCAGTCCCGACGTGCTCAGCGCCGGCCGTACCGTGGCAAGCCAGTGACAT
 GTGGGCCCTGGCGTGGTGTCTTACCATGCTGTATGGCCAGTCCCCTTCTACGACAGCATCCCGCAG
 GAGCTCTTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTGAGGATGGACGGGTTTCTGAGAACCAG
 TGTGTCTCATCCGGAAGTGTGGTCTTGACCCCGAGCAGCGCTGGCCGCCCGCAGCTCCTGGAGGC
 CCTCAGTGCCATCATTGCATCATGGCAGTCCCTGTCTCTGAGTGGGCTTTGCAAGTGGTTCCTGAC
 ATTGATGACCAATGAGCAATGCGGATAGTCCCAGGAGGCAAGGTGACGGAGGAGTCTCCAGTACG
 AGTTTGAGAACTACATGCGTTCAGCAGTGTCTGGCCGAGGAGAAGAGCTCCATCCATGACGCCCGGAG
 CTGGGTACCCAAGCGGCAGTTCGGCAGCGCACACCCTGGTGGCAGCGCTGGGCCACGACGCACAGCCCATG
 ACCTCCTTGACACGGCCATCCTGGCGCAGCGCTACCTGCGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238217 protein sequence
 Red=Cloning site Green=Tags(s)

MKRRASDRGAGETSARAKALGSGISGNNAKRAGPFILGPRLGNSPVPSIVQCLARKDGTDDFYQLKILTL
 EERGDQGIESQEERQGMILLHTEYSLLSLLHTQDGVVHHHGLFQDRTCEIVEDTESSRMVKKMKRICKLV
 LDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVIYDVRVVEALHQKNIVHRDLKLGNMVLNKRTH
 RITITNFCLGKHLVSEGDLKQDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLF TMLYGFYFYSIPQ
 ELFRKIKAAEYTIPEGRVSENTVCLIRKLLVLDPPQRLAAADVLEALSAIIASWQSLSSLGPLQVVPD
 IDDMNSADSSQEAQVTEECSTYEFENYMRQQLLLAEKSSIHARSWVPKRQFGSAPPVRRLLGHDAQPM
 TSLDTAILAQRYLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6152_e07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001282547

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.

RefSeq: [NM_001282547.2](#)

RefSeq Size: 3662 bp

RefSeq ORF: 1308 bp

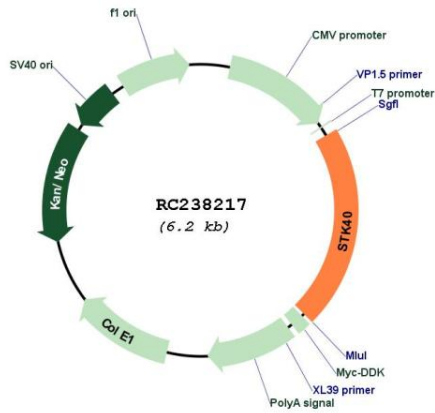
Locus ID: 83931

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 RC238217