

## Product datasheet for **RG238244**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_001282546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK40
Synonyms:	SgK495; SHIK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238244 representing NM_001282546. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTAGGAAGTGGG
ATTTCTGGAAATAATGCAAAGAGAGCTGGACCATTATCCTTGCTCTCTGTGCCGTAGGTCCCGCTCTG
GGCAACTCACCGGTGCCAAGCATAGTGCAGTGTTGGCGAGGAAAGATGGCACGGATGACTTCTATCAG
CTGAAGATCCTGACCCTGGAGGAGAGGGGGACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAG
ATGCTGCTGCACACCGAGTACTCACTGCTGTCTCTCTGACACGCAGGATGGCGTGGTGCACCACCAC
GGCCTCTCCAGGACCGCACCTGTGAAATCGTTGAGGACACAGAATCCAGCCGGATGGTTAAGAAGATG
AAGAAGCGCATCTGCCTCGTCTGGACTGCCTCTGTGCTCATGACTTCAGCGATAAGACCCTGACCTC
ATCAACCTGCAGCACTACGTATCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGTAATCTTTAC
GACGTGGTCCGCGTGGTGGAGGCCCTGCACCAGAAAAATATCGTGCACAGAGACCTGAAGCTGGGGAAC
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GAGGGGGACCTGCTGAAGGACCAGAGAGGGAGCCCTGCCTACATCAGTCCCGACGTGCTCAGCGGCCGG
CCGTACCGTGGCAAGCCAGTGACATGTGGGCCCTGGGCGTGGTGTCTTACCATGCTGTATGGCCAG
TTCCCTTCTACGACAGCATCCCGCAGGAGCTCTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTT
GAGGATGGACGGGTTTCTGAGAACACCGTGTGTCTCATCCGGAAGCTGCTGGTCTTGACCCCGCAGCAG
CGCTGGCCGCCCGCAGTCTGGAGGCCCTCAGTGCCATCATTGCATCATGGCAGTCCCTGTCTATCT
CTGAGTGGCCCTTTGCAAGTGGTTCCTGACATTGATGACCAAATGAGCAATGCGGATAGCTCCCAGGAG
GCGAAGGTGACGGAGGAGTGTCCAGTACGAGTTTGGAACTACATGCGTCAGCAGCTGCTGCTGGCC
GAGGAGAAGAGCTCCATCCATGACGCCCGGAGCTGGGTACCCAAGCGGCAGTTCGGCAGCGCACCACCG
GTGCGACGGTGGGCCACGACGCACAGCCATGACCTCCTGGACACGGCCATCTGGCGCAGCGCTAC
CTGCGGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238244  
 Blue=ORF Red=Cloning site Green=Tag(s)

MKRRASDRGAGETSARAKALGSGISGNNAKRAGPFILALCAVGPRLGNSPVPSIVQCLARKDGTDDFYQ  
 LKILTLLEERGDQGIESQEERQGMILLHTEYSLLSLLHTQDGVVHHHGLFQDRTCEIVEDTESSRMVKKM  
 KKRICLVLDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVFYDVVRVVEALHQKNIVHRDLKLG  
 MVLNKRTHRITITNFCLGKHLVSEGDLKQDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLFMTLYGQ  
 FPFYDSIPQELFRKIKAAEYTIPEdGRVSENTVCLIRKLLVLDPPQRLAADVLEALSAIIASWQSLSS  
 LSGPLQVVPDIDDQMSNADSSQEAKVTEECSSQYEFENYMRQQLLAEKSSIHDARSWPKRQFGSAPP  
 VRRLGHDAQPMTSLDTAIIAQRYLRK  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282546

**ORF Size:** 1320 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](#)

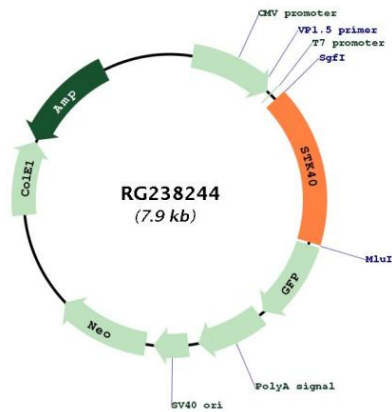
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**RefSeq:** [NM\\_001282546.2](#)

RefSeq Size: 3677 bp  
 RefSeq ORF: 1323 bp  
  
 Locus ID: 83931  
 UniProt ID: [Q8N2I9](#)  
 Cytogenetics: 1p34.3  
 Protein Families: Druggable Genome, Protein Kinase  
 MW: 49.9 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 RG238244