

Product datasheet for **RG238217**

STK40 (NM_001282547) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_001282547) 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:	>RG238217 representing NM_001282547. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTAGGAAGTGGG
ATTTCTGGAAATAATGCAAAGAGAGCTGGACCATTATCCTTGGTCCCGTCTGGCAACTACCGGTG
CCAAGCATAGTGCAGTGTGGCGAGGAAAGATGGCACGGATGACTTCTATCAGCTGAAGATCCTGACC
CTGGAGGAGAGGGGGACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAGATGCTGCTGCACACC
GAGTACTACTGTCTCTCCTGCACACGCAGGATGGCGTGGTGCACCACCACGGCCTTCCAGGAC
CGCACCTGTGAAATCGTTGAGGACACAGAATCCAGCCGGATGGTTAAGAAGATGAAGAAGCGCATCTGC
CTCGTCTGGACTGCCTCTGTGCTCATGACTTCAGCGATAAGACCCTGACCTCATCAACCTGCAGCAC
TACGTCATCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGTAATCTTCTACGACGTGGTCCGCGTG
GTGGAGGCCCTGCACCAGAAAAATATCGTGCACAGAGACCTGAAGCTGGGGAACATGGTGTCAACAAG
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AAGGACCAGAGAGGGAGCCCTGCCTACATCAGTCCCGACGTGCTCAGCGGCCGGCCGTACCGTGGCAAG
CCCAGTGACATGTGGCCCTGGGCGTGGTGTCTTCCACATGTGTATGGCCAGTCCCCTTCTACGAC
AGCATCCCGCAGGAGCTTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTGAGGATGGACGGGTT
TCTGAAACACCGTGTGTCTCATCCGGAAGCTGCTGGTCTTGACCCACGACGGCCTGGCCGCCGCC
GACGTCCTGGAGGCCCTCAGTGCCATCATTGCATCATGGCAGTCCCTGTATCTCTGAGTGGGCTTTG
CAAGTGGTTCCTGACATTGATGACCAAATGAGCAATGCGGATAGCTCCCAGGAGGCGAAGGTGACGGAG
GAGTGTCTCCAGTACGAGTTTGAGAACTACATGCGTCAGCAGCTGCTGCTGGCCGAGGAGAAGAGCTCC
ATCCATGACGCCCGGAGCTGGGTACCAAGCGGCAGTTCGGCAGCGCACACCACCGGTGCGACGGCTGGG
CACGACGCACAGCCATGACCTCCTTGGACACGGCCATCTGGCGCAGCGCTACCTGCGGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238217
 Blue=ORF Red=Cloning site Green=Tag(s)

MKRRASDRGAGETSARAKALGSGISGNNAKRAGPFILGPRLGNSPVPSIVQCLARKDGTDDFYQLKILT
 LEERGDQGI ESQEERQGM L LHTEYSLLSLLHTQDGVVHHHGLFQDRTCEIVEDTESSRMVKKMKKRIC
 LVL DCLCAHDFSDKTADL INLQHYVIKEKRLSERETVVFYDVVRVVEALHQKNI VHRDLKLGNMVLNK
 RTHRITITNFCLGKHLVSEGDLLKDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLF TMLYGFQFPFYD
 SIPQELFRKIKAAEYTI PEDGRVSENTVCLIRKLLVLDPQQLAAADVLEALSAIIASWQSLSSLSGPL
 QVVPDIDDQMSNADSSQEAKVTEECSQYEFENYMRQQLLLAEKSSIHDARSWVPKRQFGSAPPVRRLG
 HDAQPMTSLDTAILAQRYLRK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

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](#)

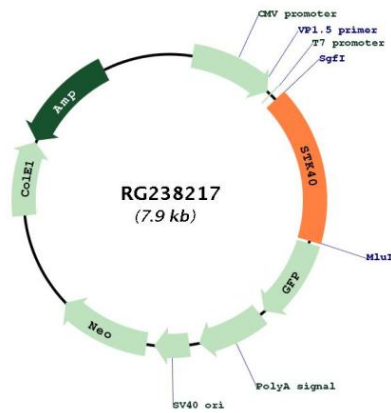
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001282547.2](#)

RefSeq Size:	3662 bp
RefSeq ORF:	1308 bp
Locus ID:	83931
UniProt ID:	<u>Q8N2I9</u>
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 RG238217