

Product datasheet for **SC107277**

STK40 (NM_032017) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK40 (NM_032017) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK40
Synonyms:	SgK495; SHIK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_032017 edited
 ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCGGCCAGGGCCAAGGCTCTA
 GGAAGTGGGATTCTGGAATAATGCAAAGAGAGCTGGACCATTACCTTGGTCCCCTG
 CTGGGCAACTCACCGGTGCCAAGCATAGTGCAGTGTGGCGAGGAAAGATGGCACGGAT
 GACTTCTATCAGCTGAAGATCCTGACCCTGGAGGAGAGGGGGACCAAGGCATAGAGAGC
 CAGGAAGAGCGGCAAGGCAAGATGCTGCTGCACACCGAGTACTACTGCTGTCTCTCCTG
 CACACGCAGGATGGCGTGGTGCACCACCACGGCCTCTCCAGGACCGCACCTGTGAAATC
 GTTGAGGACACAGAATCCAGCCGGATGGTTAAGAAGATGAAGAAGCGCATCTGCCTCGTC
 CTGGACTGCCTCTGTGCTCATGACTTCAGCGATAAGACCGCTGACCTCATCAACCTGCAG
 CACTACGTCATCAAGGAGAAGAGGCTCAGCGAGAGGGAGACTGTGGTAATCTTCTACGAC
 GTGGTCCGCGTGGTGGAGGCCCTGCACCAGAAAAATATCGTGCACAGAGACCTGAAGCTG
 GGAACATGGTGTCAACAAGAGGACACATCGGATAACCATCACCAACTTCTGCCTCGGG
 AAGCATCTGGTGAGCGAGGGGGACCTGCTGAAGGACCAGAGAGGGAGCCCTGCCTACATC
 AGTCCCAGCTGCTCAGCGGCCGCGTACCGTGGCAAGCCCAGTGACATGTGGGCCCTG
 GGCGTGGTGTCTTACCATGCTGTATGGCCAGTTCCTTCTACGACAGCATCCCGCAG
 GAGCTCTCCGCAAGATCAAGGCTGCCGAGTATACCATTCTGAGGATGGACGGGTTTCT
 GAGAACACCGTGTGTCTCATCCGGAAGCTGCTGGTCTTGACCCACGACGGCCTGGCC
 GCCGCCAGCTCCTGGAGGCCCTCAGTGCCATCATTGCATCATGGCAGTCCCTGTCTATCT
 CTGAGTGGGCCTTTGCAAGTGGTTCCTGACATTGATGACCAAATGAGCAATGCGGATAGC
 TCCAGGAGGCGAAGGTGACGGAGGAGTCTCCAGTACGAGTTTGAGAACTACATGCGT
 CAGCAGCTGCTGCTGGCCGAGGAGAAGGCTCCATCCATGACGCCGGAGCTGGGTACCC
 AAGCGGCAGTTTGGCAGCGCACCCCGGTGCGACGGCTGGGCCACGACGCACAGCCCATG
 ACCTCCTTGGACACGGCCATCCTGGCGCAGCGCTACCTGCGGAAATAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032017 unedited TACCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGGCAGCCATGGAGGGAGGCGGGCGGGCGGGCGGGCTCGGGTGG CTGCGCTGGGAGGCGGGTGGAGGGCTCGCACGCCTCCAGCCGGCCCCGGCCCCCGG GAGGGAGAGCCGAGCAGCCCCGGCTCTGGGCTACGGACTATGGGCGAATAGCTCTGACCA CCCGGCCAAGAGCTGAGAATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGAAACGTCG GCCAGGGCCAAGGCTCTAGGAAGTGGGATTTCTGGAAAT AATGCAAAGAGAGCTGGACCA TTCATCCTTGGTCCCGTCTGGGCAACTCACCGGTGCCAAGCATAGTGCAGTGTTTGGCG AGGAAAGATGGCACGGATGACTTCTATCAGCTGAAGATCCTGACCCTGGAGGAGAGGGGG GACCAAGGCATAGAGAGCCAGGAAGAGCGGCAGGGCAAGATGCTGCTGCACACCGAGTAC TCACTGCTGTCTCCTGCACACGAGGATGGCGTGGTGCACCACCACGGCCTCTCCAG GACCGCACCTGTAAATCGTTGAGGACACAGAAATCAGCCGGATGGTTAAGAAGATGAAG AAGCGCATCTGCCTCGTCTGGACTGCCTCTGTGCTCATGACTTCANCGAATAAGACCGC TGACCTCATCAACTGCAGCACTACGTCAATCAAGAAAAAAGCTCAGCGAGAGGGAGAC TGTGGTAATCCTCTTCGACGTGGTCCGCGTGGGTGGAGCCCTGCACCCAGAAAAATTTGT GCACAGAAACCCTGAGCTGGGGAACATGGTGCTTAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032017 unedited ACTACTGGNTACCGCGCCGAATCNAGNGATCGGTTTTTTTTTTTTTTTTTTTCCAATCAG GAAGTTTTATTGTNGACATGCAGGAAGAGTCCCATGTAGTACAAAAATATGCTTTTAT ACAACTTTTTTTGTGACTTTTTCCGTTTTTTACAATAGGACTTCTCTCAGTGTGTGACA CCCAGTGAGGGCTGACCCATCCTCCTCTCTTTGTTTTTCTCAGGAATGTCATCAGACAC ATGGCTTGACCTTGAAGGGCCAGTCTGTCTGACAGGGCTTTCAGACCCGGCGCTAT TGCTTTGAAAAGGAGGAGAAAGACCACGCACGGGCAGCAGCCTGGAGGGACCCGGTGGGC TGCTGAGAGGGGGCTCCGCTGCGACGGGCCCTGGCCAGCTTCAGGCCCTCACAGGAGGA CAGTCAAGGGCTGGGAGCCCTAGGCCGACTGCATTTCCGCTCCCGCAGGAGACTTTCTA TGAAATAAATATAGAAAAGAGGGCATCCCCAGCCCCACAGCACAAAGACCCTGGCCCTCA GCGCTGGACAGCTGAGACAGACGCGAGGCTCGTGTCTCAGGGGAGTAAGTGTGGGCTCC AGTAGGCTCCCACAGGCCACTGAGGCAGAGGCATGAGTCGCCAAGTGTGGATGGGGC ATGGGGAGAAAAGGGCGTGGGCAGCCCTGCTACTGTGCTGCAAGAGGTGGCCCCATTTTTT CCAGATGGGGAAACTGAGGCACAAGGAGGTTTGGGAACTTTGCCAAGTCACTCACAGTGA GTCAGTTTTTTAGGGGAGGAGCGGGCTCACACTCTGGGAAACACAGTCACTCCCCAC TGGGGAGCAGGGCCAGGCAGNAGGGCCNTCAGGGCCCATGACTTGCTGAAGGGGAACTC AGCCTCTCTGAGGACTATGGGGGGAGGCCTCTGGGAAAGTTTTGCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032017
Insert Size:	4000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_032017.1](#), [NP_114406.1](#)

RefSeq Size: 3863 bp

RefSeq ORF: 1308 bp

Locus ID: 83931

UniProt ID: [Q8N2I9](#)

Cytogenetics: 1p34.3

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: May be a negative regulator of NF-kappa-B and p53-mediated gene transcription.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Both variants 2 and 3 encode the same isoform.