

## Product datasheet for **SC321266**

### STK25 (NM\_006374) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK25 (NM_006374) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK25
Synonyms:	SOK1; YSK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006374.3  
 GCGACGCCGAGCACCCGCCTCGCCGTCGCTCCGGGCTTTCTCCGGTCGCTGCCGCCACC  
 ACCGTTGCTTCGCGGGCTGGGAGGCCCGGGTCCCCGGGCGAACAGAGGCTGCGGTGGAC  
 TGACGCCGAGGGGCGAGCTAGCCGGCTCCGCGCTCTCCGCGGATCCAGACGCCTCT  
 GGGGCTGCTGGCGAGGGTCTGAGGCGCGCGCCATGGCTCACCTCCGGGATTGCA  
 ACCAGACTCTCGAGTGGACCCTGAGGAGCTTTCACCAAGCTCGACCGATTGGCAAGG  
 GCTCGTTTGGGAGGTCTACAAGGGCATCGATAACCACACAAGGAGGTGGTGGCCATCA  
 AGATCATCGACCTGGAGGAGCCGAGGATGAGATCGAGGACATCCAGCAGGAGTCACTG  
 TCCTCAGTCAGTGCACAGCCCCCTACATCACCCGCTACTTTGGTCTACCTAAAGAGCA  
 CCAAGCTATGGATCATCATGGAGTACCTGGGCGCGGCTCAGACTGGACTTGCTTAAAC  
 CAGGTCCCCTGGAGGAGACATACATTGCCACGATCCTGCGGGAGATTCTGAAGGGCTGG  
 ATTATCTGCACTCCGAACGAAGATCCACCGAGACATCAAAGCTGCCAACGTGCTACTCT  
 CGGAGCAGGGTGACGTGAAGCTGGCGGACTTTGGGGTAGCAGGGCAGCTCACAGACACGC  
 AGATTAAGAGGAACACATTCGTGGGCACCCCTTCTGGATGGCACCTGAGGTCATCAAGC  
 AGTCGGCTACGACTTCAAGGCTGACATCTGGTCCCTGGGGATCACAGCCATCGAGCTGG  
 CCAAGGGGAGCCTCAAACCTGACCTCCACCCATGCCGCTCCTGTTCTGATTCCCA  
 AGAACAGCCCACCACACTGGAGGGCCAGCACAGCAAGCCCTTCAAGGAGTTCGTGGAGG  
 CCTGCCTCAACAAAGACCCCGATTCCGGCCACGGCCAAAGGAGCTCCTGAAGCACAAGT  
 TCATCACACGCTACACCAAGAAGACCTCCTTCCCTACGGAGCTCATCGACCGCTATAAGC  
 GCTGGAAGTCAGAGGGGCATGGCGAGGAGTCCAGCTCTGAGGACTCTGACATTGATGGCG  
 AGGCGGAGGACGGGGAGCAGGGCCCCATCTGGACGTTCCCCCTACCATCCGGCCGAGTC  
 CACACAGCAAGCTTACAAGGGGACGGCCCTGCACAGTTCACAGAAGCCTGCGGAGCCCC  
 TCAAGAGGCAGCCGAGGTCCTCAGTGCCTGTCCACGCTGGTCCGGCCCGTTCGAGAGC  
 TCAAAGAGAAGCACAAGCAGAGCGGCGGAGCGTGGGTGCGCTGGAGGAGCTGGAGAAGC  
 CCTTCAGCCTGGCCGAGGAGTCTGCCCGGCATCTCAGACAAGCTGATGGTGCACCTGG  
 TGGAGCGAGTGCAGAGGTTTTACACAACAGAAACCACCTGACATCCACCCGCTGAAGCG  
 CACTGCTGTTAGATAGGGGACGGAAGGTCGTTTGTGTTTGTGTTCTGAGCTCCATAAGAAC  
 TGTGCTGACTTGAAGGTGCCCTGTGCTATGTCGTGCCTGCAGGGACACGTCGGATCCCC  
 TGGGCCTCACATGCCAGGTCACCGGTCACCGTCTCCTTCCACCCCTGCAGTGTGCTGTT  
 GTGCACGTCAGGGACGCTGTTCTATGCCACTGCCCTCCTCCCTCCTCGGCCAGCA  
 GTATTGCTCACGGGGCTCCAGCCGCGCGGTGGCCCTCATGAGCTACGCTGGGTCTTC  
 TGCAGACTCATGCAGCCCTATGGCCGCTCAGACCAAGGCCAGAGCAACTATCAGGGCAG  
 CTCTGCCTCCTCCTCCATGAGGTGGGGAGAGGCAACAGGGCAGCCCCAGAGGAGTGT  
 CTGGCCGCTGCTCCTCCGGGGCCCATGATGGCCATAGATTTGCCTTGTGGTGTGGATCA  
 GGTACTGTGCTGCTCATAAGTACTTGTGTCATCCAGAATGTTTTGTTTTAAGAAAAT  
 TGAATTAATTGTTTCTGAAATATTCTGAGGTTAATATGTTAGTTTTATAGAACATTGA  
 GAGGCCCTGCCACTTCAATAAAGACCTGACTTGGAGACAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006374

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u>NM_006374.3, NP_006365.2</u>
<b>RefSeq Size:</b>	2198 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	10494
<b>UniProt ID:</b>	<u>O00506</u>
<b>Cytogenetics:</b>	2q37.3
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	<p>This gene encodes a member of the germinal centre kinase III (GCK III) subfamily of the sterile 20 superfamily of kinases. The encoded enzyme plays a role in serine-threonine liver kinase B1 (LKB1) signaling pathway to regulate neuronal polarization and morphology of the Golgi apparatus. The protein is translocated from the Golgi apparatus to the nucleus in response to chemical anoxia and plays a role in regulation of cell death. A pseudogene associated with this gene is located on chromosome 18. Multiple alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 4 and 5 encode the same isoform (1).</p>