

## Product datasheet for **SC333177**

### STK25 (NM\_001271980) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STK25 (NM\_001271980) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STK25  
**Synonyms:** SOK1; YSK1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333177 representing NM\_001271980.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTCACCTCCGGGATTTGCCAACAGAGCACCAAGCTATGGATCATCATGGAGTACCTGGCGGC  
GGCTCAGCACTGGACTTGCTTAAACCAGGTCCCCTGGAGGAGACATACATTGCCACGATCCTGCGGGAG  
ATTCTGAAGGGCCTGGATTATCTGCACTCCGAACGCAAGATCCACCGAGACATCAAAGCTGCCAACGTG  
CTACTCTCGGAGCAGGTGACGTGAAGCTGGCGGACTTTGGGTAGCAGGGCAGCTCACAGACACGCAG  
ATTAAGAGGAACACATTCGTGGGCACCCCTTCTGGATGGCACCTGAGGTCATCAAGCAGTCGGCCTAC  
GACTTCAAGGCTGACATCTGGTCCCTGGGATCACAGCCATCGAGCTGGCCAAGGGGAGCTCCAAC  
TCTGACCTCCACCCATGCGCGTCTGTTCCTGATTCCTCAAGAAGAGCCACCCACACTGGAGGGCCAG  
CACAGCAAGCCCTTCAAGGAGTTCGTGGAGGCCTGCCTCAACAAAGACCCCGATTCCGGCCACCGCC  
AAGGAGCTCCTGAAGCACAAGTTCATCACACGCTACACCAAGAAGACCTCCTTCCTCACGGAGCTCATC  
GACCGCTATAAGCGCTGGAAGTCAGAGGGGCATGGCGAGGAGTCCAGCTCTGAGGACTCTGACATTGAT  
GGCGAGGCGGAGGACGGGGAGCAGGGCCCATCTGGACGTTCCCCCTACCATCCGGCCGAGTCCACAC  
AGCAAGCTTACAAGGGGACGGCCCTGCACAGTTCACAGAAGCCTGCGGAGCCCGTCAAGAGGCAGCCG  
AGGTCCAGTGCCTGTCCACGCTGGTCCGGCCCGTCTTCGGAGAGCTCAAAGAGAAGCACAAGCAGAGC  
GGCGGAGCGTGGGTGCGCTGGAGGAGCTGGAGAAGCCCTCAGCCTGGCCGAGGAGTCTGCCCCGGC  
ATCTCAGACAAGCTGATGGTGCACCTGGTGGAGCGAGTGCAGAGGTTTTACACAACAGAAACCACCTG  
ACATCCACCCGCTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271980  
**Insert Size:** 1050 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).



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<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_001271980.1</u>
<b>RefSeq Size:</b>	2296 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	10494
<b>UniProt ID:</b>	<u>O00506</u>
<b>Cytogenetics:</b>	2q37.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	39.3 kDa
<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 (9) differs in the 5' UTR and lacks an in-frame exon in the 5' coding region, compared to variant 1. Variants 8 and 9 encode the same isoform (2).</p>