

Product datasheet for **SC332344**

STK3 (NM_001256312) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: STK3 (NM_001256312) Human Untagged Clone
Tag: Tag Free
Symbol: STK3
Synonyms: KRS1; MST2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332344 representing NM_001256312.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTACAACCTCATGGACAGTGGCATTACCATCTGCCTTAGGAACGGAGCAGCCTCTGTCTTCAAGAAA
AAAGAATGGAGCACACAAGGAGAAGAAAACAAGCAAGACAGTAACTAAAAAGCTGAGTGAAGACAGT
TTGACTAAGCAGCCTGAAGAAGTTTTGATGTATTAGAGAAGCTTGAGAAAGGCTTATGGAAGTGA
TTAAAGCAATACACAAGGAATCCGGTCAAGTTGTCGCAATTAACAAGTACCTGTTGAATCAGATCTT
CAGGAAAATCAAGAAATTTCCATAATGCAGCAATGTGACAGCCCATATGTTGTAAGTACTATGGC
AGTTATTTAAGAATACAGACCTCTGGATTGTTATGGAGTACTGTGGCGCTGGCTCTGTCTCAGACATA
ATTAGATTACGAAACAAGACATTAATAGAAGATGAAATTGCAACCATTCTTAAATCTACATTGAAAGGA
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GAAGGACATGCAAAATTTGGCAGATTTTGGAGTGGCTGGTCAAGTAAACAGATACAATGGCAAAACGCAAT
ACTGTAATAGGAACTCCATTTTGGATGGCTCCTGAGGTGATTCAAGAAATAGGCTATAACTGTGTGGCC
GACATCTGGTCCCTTGGCATTACTTCTATAGAAATGGCTGAAGGAAAACCTCCTTATGCTGATATACAT
CCAATGAGGGCTATTTTATGATTTCCACAAAATCCACCACCAACATTAGAAAAGCCAGAAGCTTTGGTCC
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ACCATGGTGATAAACAGTGAAGTGAAGGAAGAAGATGGAAGTATGAAAAGAAATGCAACCTCACCA
CAAGTACAAGACCATCTTTCATGGACTACTTTGATAAGCAAGACTTCAAGAATAAGAGTACGAAAAC
TGTAATCAGAATGCATGAACCCTTCCCTATGCCAAAACGTTTTTCTGATAACTGGAAAGTTCCT
CAAGATGGAGACTTTGACTTTTTGAAAATCTAAGTTTAGAAGAACTACAGATGCGGTTAAAAGCACTG
GACCCCATGATGGAACGGGAGATAGAAGAACTTCGTGAGAGATACACTGCGAAAAGACAGCCCATCTG
GATGCGATGGATGCAAGAAAAGAAGGCAGCAAACTTTTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256312
Insert Size: 1560 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001256312.1</u>
RefSeq Size:	3171 bp
RefSeq ORF:	1560 bp
Locus ID:	6788
UniProt ID:	<u>Q13188</u>
Cytogenetics:	8q22.2
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway
MW:	59.5 kDa
Gene Summary:	<p>This gene encodes a serine/threonine protein kinase activated by proapoptotic molecules indicating the encoded protein functions as a growth suppressor. Cleavage of the protein product by caspase removes the inhibitory C-terminal portion. The N-terminal portion is transported to the nucleus where it homodimerizes to form the active kinase which promotes the condensation of chromatin during apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region, and uses an alternate start codon compared to variant 1. The resulting protein (isoform 2) has a longer N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>