

## Product datasheet for SC117160

### DRAK1 (STK17A) (NM\_004760) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DRAK1 (STK17A) (NM_004760) Human Untagged Clone
Tag:	Tag Free
Symbol:	DRAK1
Synonyms:	DRAK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_004760 edited  
 ATGATCCCTTTGGAGAAGCCAGGCAGCGCGGCTCCTCCCCAGGCGCCACCTCAGGCTCG  
 GGCCGGGCAGCCGGGGTCTGAGCGGGCCGTGCCGGCCGCGCCGCCAGGCCCGC  
 GGGCTGCTGACAGAGATACGCGCCGTGGTGCGCACCGAGCCCTTCCAGGACGGCTACAGC  
 CTGTGCCCGGGCCGGGAGCTGGGCAGGGGAAATTTGCAGTGGTGAGAAAATGTATAAAG  
 AAAGATTCTGGGAAAGAATTTGCTGCAAAGTTCATGAGAAAAAGAAGAAAAGGCCAAGAT  
 TGTCGGATGGAATAATTCATGAGATTGCTGTACTTGAAGTACGACACAAGACAATCCTTGG  
 GTCATTAATTTACATGAAGTTTATGAGACTGCATCAGAAATGATCTTAGTTCTGGAATAT  
 GCTGCTGGGGTGAATCTTTGACCAGTGTGTTGCAGACAGAGAAGAAGCCTTTAAAGAA  
 AAAGATGTTCAAAGACTTATGCGACAGATTTTAGAAGGTGTTCACTTTTTACACACTCGT  
 GATGTAGTTCATCTTGATTTGAAGCCTCAGAATATTCTGTTGACAAGTGAATCTCCATTG  
 GGTGACATTAAGATTGTTGATTTGGCCTTTCAAGAATATTGAAGAACAGTGAAGAGCTC  
 CGAGAAATATGGGTACCCCTGAATATGTGGCTCCTGAAATTCCTAGTTATGATCCTATA  
 AGCATGGCAACAGATATGTGGAGCATTGGAGTGTTAACAATATGTCATGCTTACAGGAATA  
 TCACCTTTCTTAGGCAATGATAAACAAGAAACATCTTAAACATCTCACAGATGAATTTA  
 AGTTATTCTGAGGAAGAATTTGATGTTTGTCTGAGTCCGGCTGTTGATTTATCAGGACA  
 CTTTTAGTTAAGAAACCTGAAGATCGAGCCACTGCTGAAGAATGTCTAAAGCACCCTGG  
 TTGACACAGAGCAGTATTCAAGAGCCTTCTTTCAGGATGGAAAAGGCACTAGAAGAAGCA  
 AATGCCCTCCAAGAAGGTCAATCTGTGCCTGAAATTAATTCGGATACCGACAAATCAGAA  
 ACCGAGGAATCCATTGTAACCGAAGAGTTAATTGTAGTTACTTCATATACTCTAGGACAA  
 TGCAGACAGTCTGAAAAAGAGAAAATGGAGCAAAAAGGCCATTTCAAACGATTTAAATTT  
 GAGGAACCTTTGCTACAAGAAATTCAGGAGAATTTATCTACTGA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004760 unedited  
 TTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGGCGCTGGGGAGAGCGGG  
 TGTTTTAAGGCTCCGCGGACCGGCACTAGGAGCCGGGGCGGGTCCGTGACCCCTCCGGCT  
 GCTCGGAGCGAACAGGCGGCCAGGAAAGAAGCGGGCTGAACACCATGATCCCTTTGGAG  
 AAGCCAGGCAGCGGGCGCTCCTCCCAGGCGCCACCTCAGGCTCGGGCCGGGCAGGCCGG  
 GGTCTTGAGCGGGCCGTGCCGGCCGCCGCCGCCAGGCCCGGGCTGCTGACAGA  
 GATACGCGCCGTGGTGCACCCAGCCCTTCCAGGACGGCTACAGCCTGTGCCCGGGCCG  
 GGAGCTGGGCAGGGGAAATTTGCAGTGGTGAGAAAATGTATAAAGAAAGATTCTGGGAA  
 AGAATTTGCTGCAAAGTTCATGAGAAAAAGAAAAGCCAAGATTGGTCGGATGGAAA  
 TAATTCATGAGATTGCTGTACTTGAAGTACACAAAGACAATCCTTGGGTCATTAATTTAC  
 ATGAAGTTTATGAGACTGCATAGAAATGATCCTTAGTTCTGGAATATGCTGCTGGGGGT  
 GAAATCTTTGNACCAGTGTGTTGCAGACAGAGAAGAAGCCTTTAAGAANAAGATGTTCAA  
 AGACTTATGCGACAGATNTAGAAAAGGGTGTTCACCTTTTACACACTCGGGAAGGTAGTT  
 CATCTTGGATTTGAAGCCTCAGAATAATTCTGTTGACAAGTGAATCTCATTTGGGTGACA  
 TTAAGATGGGTGGATTTTGGCCTTTCAAGATATTGGAGAAACAGTGAAGAAGCTCGAGA  
 ATTTAATGGGTACCCCTGGAATATGGGGCTNCTGAAATCTTAAATTATGAATCTA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004760 unedited  
 TTTAGCTTTGGACCCGCGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTATAT  
 TAAATATATTTATTACGAGTATAAAATGGTTTTTAAAAAGCCCAATGATTCTGATTTTA  
 AAAGTGTGACAGATCCATCAAGTACAAACGTGTCATTCAATAGTGGTTATTTTTCT  
 GGTACCTCCTCCTATTTTTTCCAGAGAGATAAATTTGCCTAATACTGTGTTAACTT  
 CTTCCAAGACTTACCTGAGACTCAAACGTGGCCATGGATATTCATTAAGAACTCTATC  
 ACTGTGGCACAATTTCTTCTTGCATTTTGGAGCTTGTAGGAATGCTAGGTTCCAGG  
 AAAGTGTATAAATAAGCCAATTTAGTGAGAAAACAGTGCAACCTGGTTGTCTGAAGTGC  
 CTGATGAATTTACCTAATGGTGTAAAGGGCACTCCCAGGTGCTTTGACAGGTTACACA  
 GCAGGACTGGGTGAGATTACTGACTTTGTATATGTCTATGACATTTACACACATTTGGGT  
 ATTTACTGTACATACTTTAAATAGTGGTTAGGTGCTGTCATTTTCATGATTTTGACAGT  
 TGAGAAACCATGTTAGGGAGAGAGCTTTGTGCGACACCCTAATCAGACCGTGAAGGGACA  
 GGCTTGAGTTGTTATAGTGCAGAGCGAGGCATGGCCACGGTACACAGCACACAGGTGAT  
 AGGCAAAATATTTAATGCACTGAGCCTTTCTGTGTGTAAGGATAATTAGTTACTTTAAGGT  
 ATTCGGCATACACTTTTACATTTCCATATTTAATTGGACTTTACTGGTCACTGTNGGGC  
 ATAGATACCACTGAACTGTTCCATCCTAATCAAAAAAATATTGTACATTTATCCTCT  
 TTTTGGGACAAAGACCTCCTATTACAGAATTCAGTANATTTTTATGGCCAAGAAAGTT  
 TACAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_004760

**Insert Size:**

3180 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_004760.1](#), [NP\\_004751.1](#)

**RefSeq Size:** 2641 bp

**RefSeq ORF:** 1245 bp

**Locus ID:** 9263

**UniProt ID:** [Q9UEE5](#)

**Cytogenetics:** 7p13

**Domains:** pkinase, TyrKc, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** This gene is a member of the DAP kinase-related apoptosis-inducing protein kinase family and encodes an autophosphorylated nuclear protein with a protein kinase domain. The protein has apoptosis-inducing activity. [provided by RefSeq, Jul 2008]