

Product datasheet for **RN217384**

Stk10 (NM_019206) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk10 (NM_019206) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stk10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217384 representing NM_019206
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTTCGCCAATTTTCGCCGCATCTTGCGGTTATCCACCTTCGAGAAGAGAAAGTCCCGTGAATACG
AGCATGTCCGCAGGGACCTGGACCCCAACGACGTATGGGAGATCCTGGGCGAGCTGGGAGACGGCGCCTT
CGGCAAAGTCTACAAGGCCAAAAACAAGGAGACGGGCGCCCTGGCAGCAGCCAAAGTCAATTGAGACTAAG
AGCGAGGAGGAGCTGGAGGACTACATCGTGGAGATCGAGATCCTCGCCACCTGCGACCACCCATATATCG
TGAAGCTCCTGGGGCCTATTACTATGACGGGAAACTATGGATCATGATTGAGTTCTGCCCTGGGGGAGC
TGTGGATGCCATCATGCTAGAGCTGGATCGAGGCTCACTGAGCCCAGATTCAAGTCTGTTTCCGCCAG
ATGTTGGAGGCTCTCACTTCTGCACGGCAAGAGAATCATCCACCGGACCTGAAAGCTGGCAACGTGC
TTATGACCCTGGAGGGGACATCAGGCTGGCTGATTTGGAGTATCTGCCAAGAATCTGAAAACCTGCA
AAAGCGAGATTCCTTATAGGAACGCTTACTGGATGGCCCTGAGGTGGTGTGTGTGAAACCATGAAG
GACGCCCTATGACTACAAGGCTGACATCTGGTCCCTGGGCATCACGCTGATCGAGATGGCGCAGATTG
AGCCCCACACCATGAGCTCAACCCATGCGGGTCTGTCAAGATCGCCAAGTCGGACCCTCCACCCT
GCTCACACCCTCCAAGTGGTCCACGGAGTTCGAGACTTCTGAAGATAGCCTTGGATAAGAACCAGAA
ACCCGGCCAGTGTGCGCAGCTGCTGCAGCATCCCTTCGTCACTACAGTACCAGTAATAAGGCCCTTC
GGGAGCTGGTGGCTGAGGCGAAGGCTGAGGTGATGGAGGAGATCGAGGACGGCAAGGAGGACGGCAGGGA
GGACGGCAGGGAGGATGGAGAAGAGGAGGATGGAGACGAGAAGGATGCTGTGAGTGTGTTCGCCCCCA
GTCAACCACACTCAGGACTCCTCTGCCAATGGAAGTCAAGCAAGCCTCAACTCTGACAAGCTTCCAGG
ATCTTCTACCCCTGCCTCCACAGCCTCAGGAGCCTGTGAACGGGCTGTAAACCACTCCAGG
GGATGGATCCCCCAGAACCAGCCCTGCAGATGAGGTCTCAAGAATGACAATGGCTTAAAGGTACCT
GTTCCCTCCGGAAGTCCCGGCCATTGTCCGTGGATGCCAGAATTCAGGTGACCGAAGAGAAACAATCA
CTGACCAGGCTGAGAACCCAGTCTGCAGCCAGCAAACCCCGAAGGTCAACCAGAGCCGACCTAACAG
CAGCGCCTGGAGACTTGGGTGTGAGACTCTGGCCAATGGAGGCTGGAGCTCCCTGGCTCTGTAAC
CCAAACCATCTAAGAGGGCGTCGGACTGTAGCAACCTGTCTACCTCAGAGAGCATGGACTACGGCACCT
CCTTGTCTGCTGACCTGTATTGAACAAGAGACGGGCTCATTGTCTCTCAAGGGCTCAAACTGCACAA
CAAGACCTGAAGAGGACCCGCCGTTTGTGGTGGACGGTGTGGAGGTGAGCATACCACCTCCAAGATC
ATCAGCGAAGACGAGAAGAAAGACGAGGAGATGAGTTTCTCAGGCGCCAGGAACCTCCGAGAGCTTCGGC
TCCTGCAGAAAGAAGAGCATCGGAACCAGACGCAGCTGAGCACCAAGCACGAGCTGCAGCTGGAGCAGAT
GCACAGACGATTTGAACAAGAAATCAACGCCAAGAAGAAATTCATGACGTGGAGCTAGAGAACCTGGAG
CGGCAGCAGAAGCAGCAGGTGGAGAAGATGGAGCAGGACCACAGCGTGCCTCGCAGAGAGGAGGCCAAGC
GGATCCGCTGGAGCAGGATCGAGACTACGCCAGGTTCCAAGAGCAGCTCAAGCAGATGAAGAAGGAGGT
GAAGCTGACTGTGAGAGGTTGGCTAGAAATAGTAGAAATAGTTCTTCTCCAGGAACAGACTGAGCAT
CCTCAGGCAGCTAGGAGGAGGGACCGAGACTTGTAGCCAAGCAGAAGGAAGACCTGGAGCTGGCCATGA
AGAAGCTCACGGCAGAAAACAGGCGTGAGATCTGTGACAAGGAACGTGATTGCCTTAAACAAGAAGCAGGA
GCTCCTCCGAGACCGAGAGGCAGCCCTGTGGAGATGGAGGAGCACCAGTTACAGGAGAGACATCAGCTG
GTGAAGCAGCAGCTTAAAGGACCAGTACTTCTGCAGCGGATGACCTGCTGCGCAAGCACGAGAAGGAGC
GGGAGCAGATGCAGCGCTACAACCAGCGTATGATGGAGCAGCTGAAGGTGAGACAGCAGCAGGAGAAGGC
GCGGCTACCCAAGATCCAGAGGAGTACCGCAAGACCCGCATGGCCATGTACAAGAAGAGCCTGCACATC
AATGGTGCGGCAGTGCCTCCGAGCAGCGGAGAAGGTCAAGCAGTTCTCCAGCAGGAAGAGAAGAGGC
AGAAGGCGGAGAGGCTGCAGCAGCAGCAGAAAACGAGAACCAGATGCGAGACATGGTGGCACAGTGCAG
GAGCAACATGAACGAGCTGCAGCAGCTGCAGAATGAAAAGTGTGATCTGTTAGTGGAGCATGAAACCCAG
AAGCTGAAGGCCCTGGACGAGAGCCATAACCAGAGCCTGAAGGAATGGCAGACAAGCTTCGGCCACGCA
AAAAGGCCCTGGAAGAGGATTTGAACCAGAAGAAGCGGGAACAGGAAATGTTCTTCAGACTAAGTGAGGA
GGCAGAGACCAGACCCACCAACCAACAGAGCCAGCAAGTTCTCCCTACAGCTCTGGGGATGCTTCC
TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_019206
Insert Size:	2943 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_019206.2</u> , <u>NP_062079.2</u>
RefSeq Size:	5153 bp
RefSeq ORF:	2943 bp
Locus ID:	29398
Cytogenetics:	10q12
Gene Summary:	an astrocyte gene which utilizes type 1 astrocyte-enriched cDNA library [RGD, Feb 2006]