

Product datasheet for **RR206071**

Kctd7 (NM_001128194) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd7 (NM_001128194) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kctd7
Synonyms: MGC188043
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206071 representing NM_001128194
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGTAGTCAACGGGCGGGAGCCAGACAGCCGTCCTCGGACGGTGCCATGTCCAGCTCCGAAGCCG
AAGACGACTTCTGGAGCCGGCTACTCCTACGGCCACGCAAGCGGGCACGGGCTGCCCTGCTGCCCA
GGAGTTTCTGAGGTCGTCCTTAAACATCGGAGGGGCTCACTTACCCTCGCTGTCTACTCTGCGG
CGCTATGAAGACACCATGCTGGCAGCCATGTTACGCGGGCGGATTACATCCCTACAGACTCGGAGGGTC
GGTACTTCATCGACCGAGATGGCACACACTTTGGAGATGTGCTGAATTTCTGCGATCAGGGGACCTGCC
ACCCCGGGAGCACGTGCGAGCTGTGCACAAAGAGGCCAGTACTACGCCATTGGGCCCCTCTGGAGCAG
CTGGAGAACATGCAGCCACTGAAGGGCGAGAAGGTGCGCCAGGCCTTCTGGGGCTATGCCCTATTACA
AAGACATTTGGAGCGGATCGTGGAGATTGCCCGGCTTCGCGCAGTACAGCGGAAGGCCGCTTTGCCAA
GCTCAAAGTCTGCGTCTTCAAGGAAGAGATGCCCATCACCCCTATGAGTGTCCACTCCTAACTCCCTC
CGCTTTGAGCGGAGTGAGAGTGACGGACAGCTCTTTGAGCACCAGTGTGAAGTGGACGTGCTTTTGGGC
CCTGGGAGGCAGTGGCTGACGTGTACGACCTCTTGCCTGGTCACGGACCTCTCAGCCAGGGCCT
CACGGTGGACCACAGTGTATCGGAGTGTGTGACAAGCACCTTGTCAACCACTACTACTGCAACGCCCC
ATCTATGAGTTCAAATCACATGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206071 representing NM_001128194
 Red=Cloning site Green=Tags(s)

MVVVNGREPDSRHS DGAMSSSE AEDDFLEPATPTATQAGHGLPLLPQEFPEVVPLNIGGAHFTRRLSTLR
 RYEDTMLAAMFSGRHYIPTDSEGRYFIDRDGTHFGDVLNFLRSGDLPREHVRAVHKEAQYYAIGPLLEQ
 LENMQPLKGEKVRQAFGLMPYKDHLEIRIVEIARLRAVQRKARF AKLKVCVFKEEMPITPYECP LLNSL
 RFERSESDGQLFEHHCEVDVSFGPWEAVADVYDLLHCLVTDLSAQGLTVDHQCIGVCDKHLVNHYCKRP
 IYEFKITWW

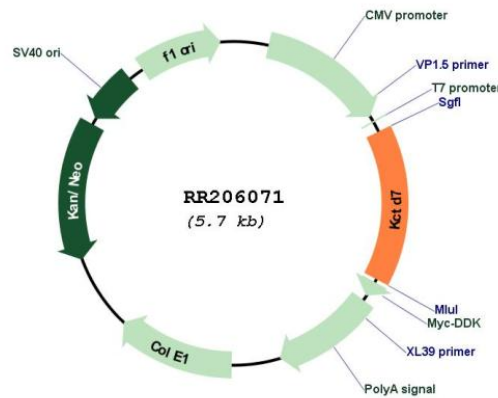
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001128194

ORF Size: 867 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001128194.2 , NP_001121666.1
RefSeq Size:	1504 bp
RefSeq ORF:	870 bp
Locus ID:	688993
UniProt ID:	B1WC97
Cytogenetics:	12q12
MW:	33.1 kDa
Gene Summary:	May be involved in the control of excitability of cortical neurons.[UniProtKB/Swiss-Prot Function]