

## Product datasheet for MR224335

### Kctd7 (NM\_172509) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd7 (NM_172509) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd7
Synonyms:	4932409E18; 9430010P06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224335 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGTAGTCACCGGGCGGGAGCCAGACAGCCGTCCTCGGACGGTGCCATGTCCAGCTCCGAAGCCG  
AAGACGACTTCCTGGAGCCGGCCACTCCTACGGCCACGCAAGCGGGGCACGGGCTGCCCCTGCTGCCCA  
GGAGTTTCCTGAAGTCGTCCTTGAACATTGGAGGGGCTCACTTACCACGCGTTGTCTACTCTGCGG  
CGCTATGAAGACACCATGCTGGCTGCCATGTTAGCGGGCGGCATTACATCCCTACAGACTCCGAGGGCC  
GGTACTTCATCGATCGAGATGGCACACACTTTGGAGATGTGCTGAACTTCCTGCGTTCAGGGGACCTGCC  
CCCCAGGGAGCATGTGCGAGCTGTGCACAAGGAGGCCAGTACTATGCCATCGGGCCCCTCTGGAGCAG  
CTGGAGAACATGCAGCCACTGAAGGGCGAGAAGGTGCGCCAGGCCTTCCTGGGACTCATGCCCTATTACA  
AAGACCACTTGGAGCGGATTGTGGAGATTGCCCGCTTCGCGCAGTACAGCGGAAGGCCCGCTTTGCCAA  
GCTCAAAGTCTGTCTTCAAGGAAGAGATGCCATCACCCCTATGAGTGTCCGCTCCTCAACTCCCTT  
CGCTTTGAGCGGAGTGAGAGTGATGGACAGCTTTGAGCACCCTGTGAAGTGGACGTGTCTTTGGGC  
CCTGGGAGGCCGTGGCTGATGTATACGACCTCTGCACTGCCTGGTCACTGACCTCTCAGCCAGGGCCT  
CACGGTGGACCACAGTGTATCGGGGTGTGTGACAAGCACCTTGTCAACCATTACTACTGCAAACGCCCC  
ATCTATGAGTTCAAATCACGTGGTGG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR224335 protein sequence  
Red=Cloning site Green=Tags(s)

MVVVTGREPDSRHS DGAMSSSE AEDDFLEPATPTATQAGHGLPLLPQEFPEVPLNIGGAHFTTRLSTLR  
 RYEDTMLAAMFSGRHYIPTDSEGRYFIDRDGTHFGDVLNFLRSGDLPREHVRAVHKEAQYYAIGPLLEQ  
 LENMQPLKGEKVRQAFGLMPYKDHLEIRIVEIARLRAVQRKARF AKLKVCVFKEEMPITPYECP LLNSL  
 RFERSESDGQLFEHHCEVDVSFGPWEAVADVYDLLHCLVTDLSAQGLTVDHQCI GVCDKHLVNHYYCKRP  
 IYEFKITWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_172509

**ORF Size:** 870 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:**

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\\_172509.4](#)

**RefSeq Size:** 4266 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 212919

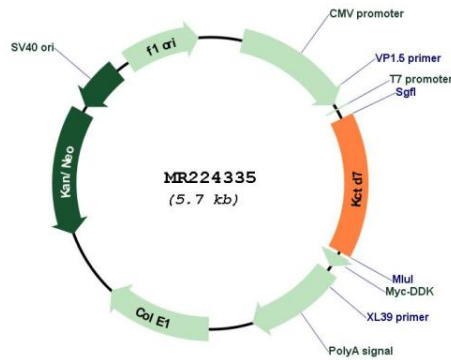
**UniProt ID:** [Q8BJK1](#)

**Cytogenetics:** 5 G1.3

**MW:** 33.1 kDa

**Gene Summary:** May be involved in the control of excitability of cortical neurons.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224335