

## Product datasheet for MR219998

### Kctd21 (NM\_001039039) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd21 (NM_001039039) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd21
Synonyms:	EG622320
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219998 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGTCTGACCCATTACACTGAATGTTGGGGGAAGCTCTACACAACCTCACTGGCAACCCTGACCAGCT  
TCCCCGACTCCATGCTGGGGCCATGTTTCAGTGGGAAGATGCCACCAAGAGGGACAGCCAGGGTAACTG  
CTTCATTGACCGTGATGGCAAAGTGTCCGCTATATCCTCAACTTCCTGCGGACCTCTCACCTGGATCTG  
CCAGAGGACTTCCAGGAGATGGGTCTGCTGCGCAGGGAAGCCGACTTCTACCAGGTACAGCCCCTGATCG  
AGGCCCTGCAGGAAAAAGAGGTAGAACTCTCAAGGCGGAGAAGAATGCCATGCTTAACATCACCCCTGAA  
GCAGCGCGTGCAGACGGTCCACTTCACCGTGGGAGGCCACCACAGATCTACAGCCTGTCGTCTTCCAGC  
ATGGAGGTGTTCAACGCCAACATCTTCAGCACGTCTGCTCCTTCTCCTCAAACCTCTGGCTCTAAGCTCT  
TCTACTGCTCCAATGGCAATCTCTCCTCCATCACCAGCCACTTGCAGGACCCTAACCATCTGACTCTTGA  
CTGGGTAGCCAATGTGGAAGGCCCTCCAGAGGAAGAGTACACCAAGCAGAACCTGAAAAGGCTGTGGGTG  
GTCCCTGCCAACAAGCAGATCAACAGCTTCCAGGTCTTTGTGGAGGAGGTGCTGAAGATCGCTCTGAGTG  
ATGGGTCTGCATTGACTCTCCACCCACACGCTCTGGACTTCATGAACAATAAGATCATTCCGGTTAAT  
CCGGTACAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001039039.3](#), [NP\\_001034128.2](#)

**RefSeq Size:** 2975 bp

**RefSeq ORF:** 783 bp

**Locus ID:** 622320

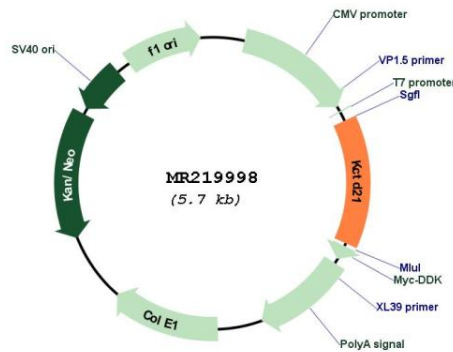
**UniProt ID:** [Q3URF8](#)

**Cytogenetics:** 7 E1

**MW:** 29.7 kDa

**Gene Summary:** Probable substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex mediating the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes the ubiquitination of HDAC1. Can function as antagonist of the Hedgehog pathway by affecting the nuclear transfer of transcription factor GLI1; the function probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. Inhibits cell growth and tumorigenicity of medulloblastoma (MDB).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219998