

Product datasheet for **MC207706**

Kctd6 (NM_027782) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd6 (NM_027782) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kctd6
Synonyms: 5430433B02Rik; AU044285
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207706 representing NM_027782
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATAATGGGGACTGGGGCTATATGATGAGTGACCCAGTCACATTAATGTAGGTGGACACTTGTACA
CGACATCGTTACCACGTTGACACGCTACCCGGATTCTATGCTTGGAGCTATGTTTGGGGTGACTTCCC
CACAGCCCGAGACCCTCAAGCAATTACTTCATTGATCGAGACGGACCGCTCTTCCGCTATGTCCTAAC
TTCTACGGACTTCAGAACTGACACTCCCCTGGACTTTAAGGAGTTTGATCTGCTTCGAAAGAGGCTG
ATTTCTACCAGATCGAACCTTGATTCACTGTCCTCAATGACCCAGGCTCTGTATCCTATGGACTTTT
TGAAGAAGTCGTAGAGCTGTCTAGCACTCGGAAGCTTTCTAAATATTCCAATCCGGTGGCCGTCATCATC
ACCCAGTTAACCATCACCAAAAGGTCCACTCCTTACTCGAAGGCATCTCAAATATTTACCAAGTGGA
ATAAGCACATGATGGACACCAGAGACTGCCAGGTCTCCTTCACTTTGGACCGTGCATTACCACCAGGA
AGTCTCTCTCCGGTCCATCTGATGGAGTACATCAGCAAGCAAGGTTTACGATCCGCAATACTCGGGTG
CATCACATGAGCGAGCGGCCAATGAGAACACAGTAGAGCACAACCTGGACTTTCTGTAGACTGGCCCGCA
AGACGGACGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027782
Insert Size: 714 bp



[View online »](#)

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).
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_027782.3 , NP_082058.1
RefSeq Size:	1734 bp
RefSeq ORF:	714 bp
Locus ID:	71393
UniProt ID:	Q8BNL5
Cytogenetics:	14 A1
Gene Summary:	<p>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; the function seems to depend on KCTD11:KCTD6 oligomerization. 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). Involved in regulating protein levels of ANK1 isoform Mu7 probably implicating CUL3-dependent proteasomal degradation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.</p>