

Product datasheet for MC212654

Kctd11 (NM_153143) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Kctd11 (NM_153143) Mouse Untagged Clone

Tag: Tag Free

Symbol: Kctd11

Synonyms: AF465352; Ren

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC212654 representing NM_153143
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGGGCCATGTTTAGGGCTGACACCCTAATGCCAGCCAACCTTAACCCGCAAGGAGATGGCCATT
ACTTCATCGACAGGGATGGCAAGGCTTCCGGCACATCCTCAATTTTTCGGCTAGGCCGTCTGGACCT
GCCCCGTGGGTACGGAGAACTGCCCTTCTTAAGGCAGAGGCTGACTTCTACCAGATCCGGCCCCCTCCTG
GATGCCCTGCGGGAATTGAAGCCTCTCGGGGTACACCTGCATCCACAGCCGCCCTACTCCATGCAGATG
TAGATGTCAGCCCCGCCAGGTGCACTTCTCGCTCGAAGGGGCCCCACCACTATGAGCTGAGCTCTGT
CCAGGTGGACACCTTCCGAGCCAACCTTCTGCACTGACCCTGAGTGTCTGGCTGCCATGCGCAACAGA
TTTGGTGTGGCCATTGGGGACAGGGCAGAAGGAGGTCCACATTTTCGGCTAGAGTGGGCCTCCCGCCCCC
AGGAACTCCCTGAAGTAGAGTATCAAAGACTGGGGCTGCAGCCACTGTGGACTGGGGGGCCAGAAGATCG
TCGGGAGGTAGCGAACACGCCTACATTCTGGAGGAGGTGCTACGGGTGGCTCTGGAACATGGCTTCCCG
CTGGACTCTGTCTCCAGACCCTGAAGACCTTCTGAACCTAGATCCTTGCCTTTGTGCGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_153143

Insert Size: 699 bp



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| 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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | NM_153143.4 , NP_694783.1 |
| RefSeq Size: | 2740 bp |
| RefSeq ORF: | 699 bp |
| Locus ID: | 216858 |
| UniProt ID: | Q8K485 |
| Cytogenetics: | 11 B3 |
| Gene Summary: | Plays a role as a marker and a regulator of neuronal differentiation; Up-regulated by a variety of neurogenic signals, such as retinoic acid, epidermal growth factor/EGF and NGFB/nerve growth factor. Induces apoptosis, growth arrest and the expression of cyclin-dependent kinase inhibitor CDKN1B. Plays a role as a tumor repressor and inhibits cell growth and tumorigenicity of medulloblastoma (MDB). Acts as probable substrate-specific adapter for a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex towards HDAC1. Functions as antagonist of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear transfer of transcription factor GLI1, thus maintaining cerebellar granule cells in undifferentiated state, this effect probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. When knock-down, Hedgehog antagonism is impaired and proliferation of granule cells is sustained. Activates the caspase cascade.[UniProtKB/Swiss-Prot Function] |