

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212654 representing NM_153143 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGGGGCCATGTTTAGGGCTGACACCCTAATGCCAGCCAACCTTAACCCGCAAGGAGATGGCCATT
ACTTCATCGACAGGGATGGCAAGGCTTTCGGCACATCCTCAATTTTTGCGGCTAGGCCGTCTGGACCT
GCCCCGTGGGTACGGAGAACTGCCCTTCTTAAGGCAGAGGCTGACTTCTACCAGATCCGGCCCCCTCTG
GATGCCCTGCGGGAATTGGAAGCCTCTCGGGGTACACCTGCATCCACAGCCGCCCTACTCCATGCAGATG
TAGATGTCAGCCCCGCCAGGTGCACTTCTCCGCTCGAAGGGGCCCCACCCTATGAGCTGAGCTCTGT
CCAGGTGGACACCTTCCGAGCCAACCTTCTGCACTGACCCTGAGTGTCTGGCTGCCATGCGCAACAGA
TTTGGTGTGGCCATTGGGGACAGGGCAGAAGGAGGTCCACATTTTCGGCTAGAGTGGGCCTCCCGCCCC
AGGAACTCCCTGAAGTAGAGTATCAAAGACTGGGGCTGCAGCCACTGTGGACTGGGGGCCAGAAGATCG
TCGGGAGGTAGCGAACACGCCTACATTCCTGGAGGAGTGCTACGGGTGGCTCTGGAACATGGCTCCCG
CTGGACTCTGTCTTCCAGACCCTGAAGACCTTCTGAACCTAGATCCTTGGCCTTGTGCGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-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.
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]