

Product datasheet for MC202433

Kctd13 (NM_172747) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd13 (NM_172747) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kctd13
Synonyms:	1500003N18Rik; AV259508; Pdip1; PDIP1alpha; Poldip1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC079607 sequence for NM_172747 GGGGGAGAGAGCGCGATGGGGCGGCTGGTGGACGTGCGGGAGTAGCTGTGGAGAGTGGGCGTGTGCC CCGAGCGCCGGGCGCCGCGCTGGAGTCGCGGGATCTCAGGGAACCGGACCGGGGCGCAGAGAGGGCCT CCGACTGCCACCCGCGTCCGCTCACTGGCATGTGCGCCGAGGCCTCGGGCCCGGCCCGGCTGCGGCCGA ATGCTTGGAGTCCCCTAGCCCCTCGAGTGTGGAGCCTGGCTCCCCCTCGTACAGTCTGAAGCCCCTCACC CCGAACAGCAAGTATGTGAAGCTGAACGTGGGCGGCTCGTGCATTACACCACGCTGCGCACCCCTCACGG GGCAGGACACCATGCTCAAGGCCATGTTGAGCGGCGCGTTGAAGTGTACAGACGCGGGAGGTTGGGT GCTGATTGACCGGAGTGGCCGCACTTTGGCACAATTCTCAACTACCTGCGGGACGGGTGCGTCCACTG CCTGAGAGTGCCAGAGAAGTCCGGGAGCTGCTAGGTGAAGCCGATACTACCTGGTCCAGGGCCTGATTG AAGACTGTGAGTGGCGTGCAGCAAAAAAGGAGAAGCTGTGCCACTATGCCTCATCCCACAGTGAC ATCACCCCGGAAGAGCAGCAGTCTCGCCAGCACCTCCAAGCCTGTGGTGAAGCTTACACAACCGC AGTAACAACAAGTACTCTTACACCAGCACTTCAGATGACAACCTACTGAAGAACATCGAGCTGTTTGACA AACTAGCCCTGCGCTTCCATGGGCGGCTGCTCTTCTCAAGGATGTCTAGGAGATGAGATTTGCTGCTG GTCTTTTACGGGCGAGGGCCGAAAAATTGCCGAGGTGTGCTGTACCTCCATAGTCTATGCTACGGAGAAG AAGCAGACCAAGGTGAAATTCCTGAGGCTCGGATCTTTGAGGAGACACTGAACATCTTAATTTATGAGA ATTCCTGGCCAGATCTCGCTCTCCTGGAGGCCACAGGGGGTGCAGCTGGAGGTGGTGGGGCAGGCCG AGGGGACGATGAAGAGAACCGAGAGCACCGTGTCCGAGGATTCACGTCCGCCCATATACCCACAGT GAGCGTCCCACGGCCAACAGATTGTCTTCAAGGACTGACCTTGGCCTTCCCCGCTGCCTCTTGTCTTC TGGACCTAGTCCCTCTGTCTTTGCCCGGCTGCTGCTGGCCAAGTGTGGGTCTTCCCTCTGTCCTCCT CGTTGCATGCTGTTTTAGTGAGCCCTTTCCTTCCAGTCATCACCCTACTGCTAACCACATGGTACAT TCCAGCATTTCCCTCTGGCGGCGCTCTTCAAGAAAGCCAGTGACCGCCCTCCTCTACATCCTTGTCTGC CATCTTTCTTACCATCTGATTCCCTTCTGTTTTGTTAATACATTGAACACACGTGTAGAAAAGGACAG TGCTATCAGCCACACTCCAAGCTGCTTTCCGCCATTGCAACAGAGTACTTTGCCCTCCTGCCCCACCAT CCGCCACCTCCCTAACTTTGTAAGTGGCCTGGACCTGTGCCAGCTCTGCTATCGTGATCTGTTTTCA TATTATTTATTATTTAATTTTCTATTAATTTATTGGAATAAAGTTGAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA
Restriction Sites:	Ascl-NotI



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ACCN:	NM_172747
Insert Size:	990 bp
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:	BC079607 , AAH79607
RefSeq Size:	1687 bp
RefSeq ORF:	990 bp
Locus ID:	233877
UniProt ID:	Q8BGV7
Cytogenetics:	7 F3
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission (PubMed:29088697). The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and promoting synaptic transmission (PubMed:29088697).[UniProtKB/Swiss-Prot Function]