

Product datasheet for **RN208526**

Kctd5 (NM_001105768) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd5 (NM_001105768) Rat Untagged Clone
Tag: Tag Free
Symbol: Kctd5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN208526 representing NM_001105768
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGAATCACTGCGAGCTGCTACCGCCGGCTCCGAGCGGCCTCGGGGCGGGGCTGGGGGGCGGCC
TGTGCCGCGCTGCAGCGCTGGGATCGGCGCCCTGGCTCAGCGCCCCAGTGCGGTGTCCAAGTGGGTCCG
TCTCAACGTGGCGGCACCTACTTCTCACCACCCGGCAGACGCTGTGCCGGGACCCGAAGTCTTTCCTG
TACCGTTGTGCCAGGCGGACCCGACCTAGATTCGGACAAGGATGAAACGGGCGCCTACTTAATCGACA
GAGACCCACCTACTTTGGGCCGTGCTGAACTACCTGAGACACGGGAAGTTGGTTATTAACAGAGACCT
CGCAGAGGAAGGAGTGTGGAGGAAGCAGAATTTTACAATATCACCTCACTAATAAACTTGTAAAGGAC
AAAATTAGAGAACGAGACAGCAAAACATCCCAGATGCCAGTGAAGCACGTGTACCGTGTGCTGCAGTGCC
AGGAGGAGGAGCTCACACAGATGGTGTCCACCATGTCAGACGGCTGGAAGTTTGAGCAGCTGGTCAGCAT
TGGCTCCTCTTACAATATGAAATGAAGATCAGGCTGAGTTCCTCTGCGTGGTTTCCAAGGAGCTGCAC
AACACCCCGTATGGCACAACCAGTGAACCAAGTGAGAAAGCCAAGATTTTGAAGAACGGGGCTCAAGGA
TGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001105768
Insert Size: 705 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:	<u>NM_001105768.1</u> , <u>NP_001099238.1</u>
RefSeq Size:	2473 bp
RefSeq ORF:	705 bp
Locus ID:	287109
UniProt ID:	<u>B5DEL1</u>
Cytogenetics:	10q12
Gene Summary:	Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex (By similarity). Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4 (By similarity).[UniProtKB/Swiss-Prot Function]