

Product datasheet for **MG202827**

Kctd5 (NM_027008) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd5 (NM_027008) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kctd5
Synonyms: 2610030N08Rik; mKIAA0176
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202827 representing NM_027008
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGAATCACTGCGAGCTGCTGCCCGCGCTCCGAGCGGCCTCGGGCGGGGCTGGGGGCGGCC
 TGTGCCGCGCTGCAGCGCTGGGATGGCGCCCTGGCTCAGCGCCCCGGTGGCGTGTCCAAGTGGGTCCG
 GCTCAACGTCGGCGGCACCTACTTCTCACCACCCGGCAGACGCTGTGCCGGACCCGAAGTCTTTCCTG
 TACCGCTTGTGCCAGGCGACCCCGACCTAGATTCGGACAAGGATGAAACGGGTGCCTATTTAATCGACA
 GAGATCCACCTACTTTGGACCTGACTGAACCTTGTGACATGAAAGCTGGTTATTAACAAAGACCT
 CGCAGAGGAAGGAGTGTGGAAGAAGCAGAATTTACAATATCACCTACTAATAAACTGTAAAGGAC
 AAAATTAGAGAACGAGACAGCAGAATATCGCAGATGCCAGTGAAGCATGTGTACCGTGTGCTGCAGTGCC
 AGGAGGAGGAGCTCACACAGATGGTATCCACAATGTCAGACGGCTGGAAGTTTGAGCAGCTGGTCAGCAT
 TGGCTCCTTTACAATATGAAATGAAGACCAGGCTGAGTTCCTCTGTGTGGTTTCCAAGGAGCTGCAC
 AACACTCCATACGGCACAACCAAGTGAGCCAAGCGAGAAAGCCAAGATTTGCAAGAACGGGGCTCAAGGA
 TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202827 representing NM_027008
Red=Cloning site Green=Tags(s)

MAENHCELLPPAPSGLGAGLGGGLCRRCESAGMGALAQRPGGVSKWVRLNVGGTYFLTTRQTLCRDPKSFL
 YRLCQADPDLDSKDETGAYLIDRDPYFGPVLNHLRHGKLVINKDLAEEGVLEEAFYNTSLIKLVKD
 KIRERDSRISQMPVKHVYRVLQCQEEELTQMVSTMSDGWKFEQLVSISSYNYGNEDQAEFLCVVSKELH
 NTPYGTTSPESEKAKILQERGSRM

TRTRPLE - GFP Tag - V

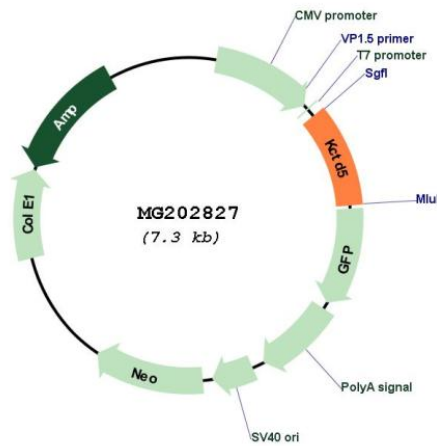
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027008

ORF Size: 702 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_027008.1 , NP_081284.1
RefSeq Size:	2434 bp
RefSeq ORF:	705 bp
Locus ID:	69259
UniProt ID:	Q8VC57
Cytogenetics:	17 A3.3
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]