

Product datasheet for **MG204017**

Kctd12b (NM_175429) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd12b (NM_175429) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kctd12b
Synonyms: 9530071H11Rik; B430319H24Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204017 representing NM_175429
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGCCAGAAAAGTCAAGTGATGTCAAACCGACCGAGGAGTGCGGCAGTTTTCTGAGATTATG
 AACTCAATGTAGGTGCCAGGTGTACATAAAGTCACTACTTTGATCAGCATTCTGGTTCCCGGCT
 CTGGGAAATGTTCAAGTGTAAAGAATCCTTGCTCACTGATCCAGGACAACAAGGGAGATTCTTCATAGAT
 CGAGATGGTTTTCTTTTCGCTATGTCCTAGACTATATGAGAGACATGCAAGTAGTCTCCGGATCATT
 TTCCAGAGTGTGGCCGGCTCCATAGAGAAGCAGAATACTTTAAGCTGCCAGAAGTCCAAAATGTTGGC
 TCCTAAAATGAACAAGCTCAACTCAATTGAAAATGACTCATGTCCGATTGATCTAGAAGAGCTCTCACCC
 AGCATTGACACTACGTTCAATTTCTCTTCAACCAATAGCATTTCATATTAGTGGCCCTGATAATCCCATGG
 TTCTGAGAGCTGCCCTGGTTCTGAGCTCAAGAAGGCTGGTTTCATCACTATTGGCTATCGAGGCTCCTA
 TACTCTGGGCAGGGACAGCCAAGCAGATGCCAAATTCGCGGTGGTGAATCATGGTATGTGGTAAG
 ATCTCATTAGCCAAGAAGTGTTCGGAGACTCTGAATGAGAGCAGAGACCCAGATCGCCCTCCAGAGC
 GATATACTTCTCGATACTACCTCAAATTCATTTCTTGGAAACAAGCTTTTGACAACTAGCTGATGCTGG
 CTTCCACATGGTAGCATGCAACTCCACTGGCACCTGCCTGTACACATGACCAACAGATGACAGGATC
 TGGACCTCGTACTGAATATGTTTTCTATCGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204017 representing NM_175429
Red=Cloning site Green=Tags(s)

MAMPEKSSDVKPTTEECGSFPEIIELNVGGQVYITRYPTLISIPGSRLWEMFSVKNPCSLIQDNKGRFFID
 RDGFLFRYYLDYMRDMQVVLDPHFPECGRLHREAEYFKLPELAKMLAPKMKNLNSIGNDSCPIDLEELSP
 SIDTTTFNFSSSTNSIHISGPDNPMVLRAAPGSELKKAGFITIGYRGSYTLGRDSQADAKFRRVARIMVCGK
 ISLAKEVFGDTLNESRDPDRPPERYTSRYLKFTFLEQAFDKLADAGFHMVACNSTGTCTVTHDQTDTRI
 WTSYTEYVFYRE

TRTRPLE - GFP Tag - V

Restriction Sites:

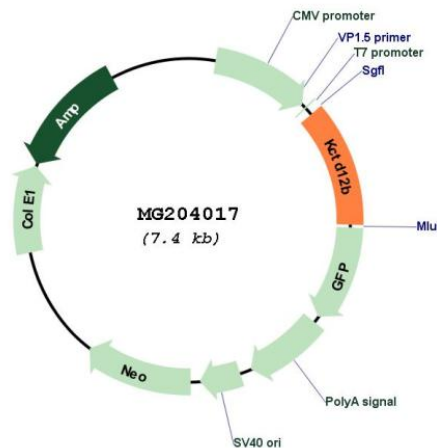
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_175429

ORF Size: 876 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_175429.4
RefSeq Size:	4822 bp
RefSeq ORF:	879 bp
Locus ID:	207474
Cytogenetics:	X F3