

Product datasheet for **MG214508**

Kctd18 (NM_001159865) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd18 (NM_001159865) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kctd18
Synonyms: 4932411A20Rik; 6530404F10Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214508 representing NM_001159865
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTAAGGCAGAAGCTTCAGGCATCGAAGGGAGCAATGGCAGGCCATGAAGCAGAAGACGTGCTAGATA
 TCCTTCGGCTGAATGTGGGTGGCTGCATCTACACAGCCCAGGAGAGTCTTTGTGCCGCTTAAGGATTC
 TATGCTGGCATCTATGTTTAGTGGTCGTTCCCTCTAAAAACAGATGAATCTGGGGTAAGCTACTGGCGT
 GTGCCATGAGCTGATAGAGTGTGGACTTTGGAAGAACGGCCTTACACGGAAGCCTGCGTCATATGG
 CCCAATTCGAAAGAGGGCGCTGATAGCCCTCAGGAAGAGGATGAAGGTGTGAAGTGTAAAGTGGTCC
 TAAGCCAGTCAGATTTTTGGGCCCTTCTACAAGTACCCAAATTAAGTCAAGAAGTCTGCTTCAGTGAGG
 GTGTCACCTGCCAATGCTGCCAGATCTCCTCTCAGGCTACAGCAAACCGCTCTCACAGAGGCAGCTGTG
 GAAAGGCAGCCAGTGTCTGTGGCCACAGGGCTTCTGGGCATGCTCCCGCTTCCCCGATGCCAGAG
 CTCTGAAAACCAAGCCACACACCCACCTCCAGCCAAGGTGCTCCTCTCTGAAAAGAAGTCTCCACCCCT
 CGAGTGATCAAGCTGAGGAGGACTCCACTGCGTGGGGGCTTCCCTGCCACCGCTCAGCAGGGGGCC
 AGGCCTGCTTCCCCAGCCACCCTCTCTAGAAGCTTCCAGCAGTTTGGGTGTGCAGATGGAGACCAGGAA
 AGACCAGCCTGATGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214508 representing NM_001159865
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MLKAEIQASKGAMAGHEAEDVLDILRLNVGGCIYTARRESLCRFKDSMLASMFSGRFPLKTDESGVSYWR
 VPHELIECWTLEERPLHGSLRHMAPIRKRRLLIALREDEGVNCKTGPKPVRFLGPSTSTQIKVKNSASVR
 VSPANAAQISSQATANRSHRSGCGKAAQCSVATGASGHAPASPDASSENQATHPPPAKVLVSEKKSPPP
 RVIKLRRTPLRGGPSLPTASAGGQACFPQPPSLEASSSLGVQMETRKDQPDG

TRTRPLE - GFP Tag - V

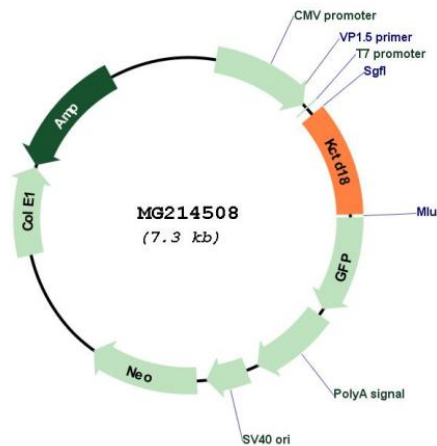
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001159865

ORF Size: 786 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_001159865.1 , NP_001153337.1
RefSeq Size:	2114 bp
RefSeq ORF:	789 bp
Locus ID:	51960
Cytogenetics:	1 C1.3