

Product datasheet for **MG213852**

Kctd18 (NM_001159864) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd18 (NM_001159864) 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:	>MG213852 representing NM_001159864 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTAAGGCAGAAGCTCAGGCATCGAAGGGAGCAATGGCAGGCCATGAAGCAGAAGACGTGCTAGATA
TCCTTCGGCTGAATGTGGGTGGCTGCATCTACACAGCCCGCGAGAGTCTTTGTGCCGCTTAAAGGATTC
TATGCTGGCATCTATGTTAGTGGTCGTTCCCTCTAAAAACAGATGAATCTGGGGCGTGCATTATTAAC
CGTGATGGACATCTATCAAATACATTTTGGACTACCTGCACGGGGAGGTGCAGACCCCTCGGATGAGC
AGACGCGAGCTGCCCTGCAGGAGGAGGCTGACTACTTTGGCATCCCTTACCGTACAGCTTGTCTGACCA
CTTGCCAATGAGATGGAGACATATTCTTAAAGGTCAAATATAGAACTAAAAAGGCTTAAACAGACTTC
TGTGATTCCTATGGCTTAGTTTGAATAAACCAACAGTTTGGGTTCTCCACTATCTTAACACATCTGGTG
CAAGCTGTGAGAGTAGAATTATTGGTGTCTATGCTACAAAACTGACGGGACAGATGCCATTGATAAGCA
GCTGGGAGGAAGGATTCATAGTAAAAGCATTTCAAAAGAGAGGGCGGGAACAACGTTTCACTACATTTGG
AGCTATTACTCAGTAGCCGAGTTGAAGAAAATGATGGATGCTTTGATGCTTGGGAAGGAAAAGGGTAA
GCTACTGGCGTGTGCCTCATGAGCTGATAGAGTGTGGACTTTGGAAGAACGGCCTTACACGGAAGCCT
GCGTCATATGGCCCAATTCGAAAGAGGGCGCTGATAGCCCTCAGGAAGAGGATGAAGGTGTAAGTGT
AAGACTGGTCTAAGCCAGTCAGATTTTGGCCCTTCTACAAGTACCCAAATTAAGTCAAGAAGCTGTG
CTTCAGTGAGGGTGTCACTGCCAATGCTGCCAGATCTCCTCTCAGGCTACAGCAAACCGCTCTCACAG
AGGCAGCTGTGGAAGGCAGCCAGTGTCTGTGGCCACAGGGGCTTCTGGGCATGCTCCCGCTTCCCCC
GATGCCAGAGCTCTGAAAACCAAGCCACACACCCACCTCCAGCCAAGGTGCTCCTCTGAAAAGAAGT
CTCCACCCCTCGAGTGTCAAGCTGAGGAGGACTCCACTGCGTGGGGGGCTTCCCTGCCACCCGCTC
AGCAGGGGGCCAGGCTGCTTCCCCAGCCACCCTCTCTAGAAGCTTCCAGCAGTTGGGTGTGCAGATG
GAGACCAGGAAAGACCAGCCTGATGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213852 representing NM_001159864
 Red=Cloning site Green=Tags(s)

MLKAE LQASKGAMAGHEAEDVLDILRLNVGGCIYTARRESL CRFKDSMLASMFSGRFPLKTDESGACIIN
 RDGHLFKYILDY LHGEVQTPSDEQTRAA LQEEADYFGIPYPYSLSDHLANEMETYS LRSNIELKKAL TDF
 CDSYGLVCNKPTVWV LHYLNTSGASCESRIIGVYATKTDGTD AIDKQLGGRIHKSIFKREAGNNVQYIW
 SYYSVAELKKMMDAFDAWEGKGVSYWRVPHELIECWTL EERPLHGSLRHMAPIRKRRLIALREED EGVNC
 KTGPKPVRFLGPSTSTQIKVKNSASVRVSPANAAQISSQATANRSHRGSCGKAAQCSVATGASGHAPASP
 DAQSS ENQATHPPPAKVLLSEKKSPPPRVIKLRRTPLRGGPSLPTASAGGQACFPQPPSLEASSSLGVQM
 ETRKDQPDG

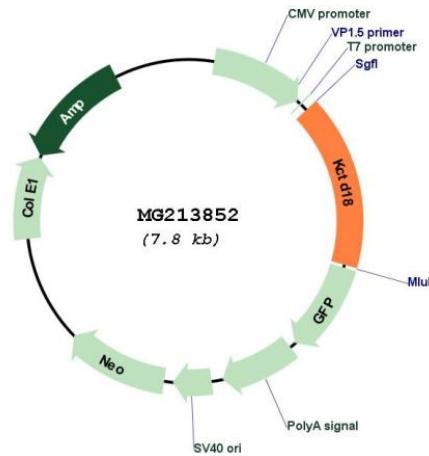
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001159864

ORF Size:	1287 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_001159864.1 , NP_001153336.1
RefSeq Size:	2615 bp
RefSeq ORF:	1290 bp
Locus ID:	51960
Cytogenetics:	1 C1.3