

Product datasheet for **RG218957**

KCTD2 (NM_015353) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: KCTD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PSI00010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218957 representing NM_015353
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAAGTGCAGCTGGACCCGGCGATGGCGGGCTGGGAGGGGGCGCGGGAGTGGGGTGGGCGACG
GGGGTGGCCAGTCCGCGGGCCCCAGCCACGCCGGCTGGCCACGCCCGCGGGCACGGCCGCC
GGCTGCCGCGTCCGCGAGCCGCTGGAGCCGGTCCCGGACACCCGAGCGGGCAGGGGGCGCGCGCG
GCCCCGTGGGTGAGCTGAACGTGGGAGGCACCTACTTCGTGACCACCAGACAGACCTTAGGCCGGGAGC
CCAAGTCATTTCTGCGCCTCTGCTGCCAGGAGGACCCGGAGCTGGACTCAGACAAGGATGAGACAGG
AGCCTATCTGATTGACAGGGACCCACCTACTTTGGTCCTATCCTCAACTACCTCCGCCACGGGAACTC
ATCATCACTAAGGAGTTGGCAGAAAGAGGTGTGCTGGAGGAAGCGAGTTTACAACATCGCGTCCCTTG
TGCGGCTGGTTAAGGAAAGGATACGGGACAATGAGAACAGAACTTCACAAGGCCCGTGAAGCACGTGTA
CAGAGTCCTGCAGTGTGAGGAAGAAGAGCTCACGCAGATGGTGTCCACGATGTCCGACGGCTGGAATTC
GAACAGCTCATCAGCATCGGATCTTCTATAACTACGGCAATGAGGATCAGGCAGAATTCCTCTGTGTTG
TCTCCAGAGAACTAAATAATTCTACCAATGGCATCGTCATAGAGCCGAGCGAAAAGGCGAAGATTCTTCA
GGAGAGAGGATCGCGGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218957 representing NM_015353
Red=Cloning site Green=Tags(s)

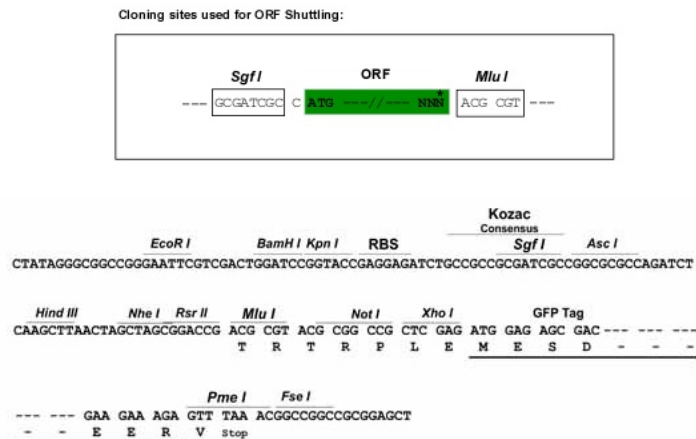
MAELQLDPAMAGLGGGGSGVGDGGPVRGPPSPRAGPTPRGHGRPAAVAQPLEPGPPPERAGGGGA
ARWVRLNVGGTYFVTTRQTLGREPKSFLCRLCCQEDPELDSKDETGAYLIDRPTYFGPIILNYLRHGKL
IITKELAEVLEAEFYNIASLVRVVKERIRDENRTSQGPVKHVVRLQCQEEELTQMVSTMSDGWKF
EQLISIGSSYNYGNEQAEFLCVVSRELNNSTNGIVIEPSEKAKILQERGSRM

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015353

ORF Size: 789 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015353.3](#)

RefSeq Size: 3714 bp

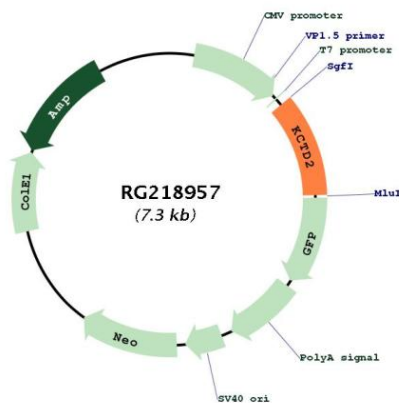
RefSeq ORF: 792 bp

Locus ID: 23510

UniProt ID: [Q14681](#)

Cytogenetics: 17q25.1

Product images:



Circular map for RG218957