

## Product datasheet for **RG207396**

### **KCTD18 (NM\_152387) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCTD18 (NM\_152387) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KCTD18  
**Synonyms:** 6530404F10Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207396 representing NM\_152387  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGGCCACAAGGCAGAAGAAGAGGTGCTAGATGTTCTCCGACTGAACGTGGGTGGCTGTATTTACA  
CAGCCCGCGGGAGTCCTTGCCGCTTCAAGGACTCCATGTTGGCATCTATGTTTCAGTGGTCGCTTTCC  
TCTAAAAACAGATGAGTCAGGGGCTTGTTATTGACCGTGATGGACGTCTATTTAAATACCTTTGGAT  
TACCTTACGGAGAAGTTCAGATCCCACAGATGAGCAAACCCGCATCGCCCTACAGGAAGAGGCTGATT  
ACTTTGGCATCCCTTATCCATACAGCCTGTCTGACCATTGGCCAATGAAATGGAGACATATTCTTTAAG  
GTCAAATATAGAACTTAAAAAGGCTTAAACAGACTTCTGTGATTCAATGGCTTAGTCTGCAATAAACCA  
ACAGTTTGGGTTCTCCAATATCTTAACACATCTGGTGCAAGCTGTGAGAGTAGAATTATTGGTGTATATG  
CCACAAAACTGATGGAACAGACGCTATTGAAAAGCAGCTGGGAGGAAGAATTCACAGCAAAGGCATTTT  
TAAAAGAGAGGCGGGAAATAATGTTTCAGTACATTTGGAGCTATTATTCAGTAGCAGAGTTGAAGAAAATG  
ATGGATGCCTTTGATGCTTGGGAAGGAAAAGGTGTTAGCTACTGGCGGGTGCCTCATGAGCTGATAGAGT  
GTTGGACTCTAGAAGAACGGCCTTACTTGAAGCCTGCGTCACATGGCTCCAATTCGAAAGAGGCGACT  
GATAACGTTCAATGAAGCGGACGAAAGTGTGAACATAAGACTGGTCCTAAGCCAGTTAGATTTTTGGGC  
CCTTCCACAAGTACCCAAATTAAGTCAAGAACTCGGCCTCAGTCACGGTGTCTCCAGCCAGTGCCATCC  
AGACGTCGGCTGGGGCGACAGCAAACCGGTTTCAAAGTGGTAGCCGACAGAAAGGCAGCTCAGCGCTCTGC  
ACCTTCCAGAGCCACGGTCTGTTGGGCACGGGGCACCTGGGCATCCTCAGGCTTCCCCTGGGGTGGC  
AGCGCTGAAAATGGAGGCACGCACTTACCTCCAGCTAAGGTGCTACTCTCCGACAAGAAGCCTACACCCC  
AGCGGGTGATAAAGCTGAAGAGGACTCCGCTGTGCGCCACCGCGCCTTGCTGCCCTCCCCACGGCCAC  
GAGGCAGGCCAACTCCCTCAAGCCGCTTCCCGGCAAGCTGCCCGTGCCTTGGGAGTGCGGACTGAGAAC  
GGGAAGAACAAGGAAAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207396 representing NM\_152387  
 Red=Cloning site Green=Tags(s)

MEGHKAEEEVLDVLRNLNVGGCIYTARRESLCRFKDSMLASMFSGRFPLKTDESGACVIDRDGRLFKYLDD  
 YLHGEVQIPTDEQTRIALQEEADYFGIPYPYSLSDHLANEMETYSLSRNIELKKALDFCDSYGLVCNKP  
 TVWVLHYLNTSGASCESRIIGVYATKTDGTDIAIEKQLGGRIHSGKIFKREAGNNVQYIWSYSSVAELKKM  
 MDAFDWEGKGVSYWRVPHELIECWTLEERPLLGLSLRHMAPIRKRLITFNEADESVNYKTGPKPVRFLG  
 PSTSTQIKVKNSASVTVSPASAIQT SAGATANRFQSGSRRKAAQRSAPSRA TVLVGTGAPGHPQASPGAA  
 SAENGGTHLPPAKVLLSDKKPTPQRVIKLRTPLCATAPCLPSPTATRQANSLKPLPGEAARALGVRTE  
 GKNKGN

TRTRPLE - GFP Tag - V

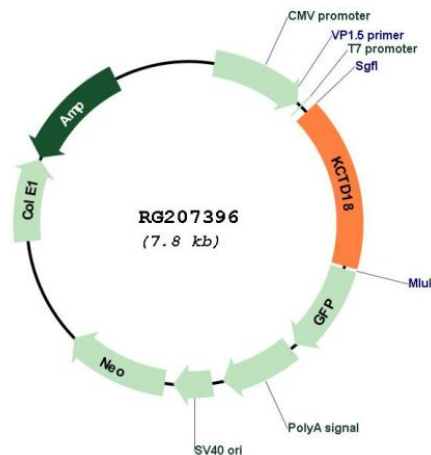
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_152387

<b>ORF Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_152387.2</a> , <a href="#">NP_689600.2</a>
<b>RefSeq Size:</b>	2959 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	130535
<b>UniProt ID:</b>	<a href="#">Q6PI47</a>
<b>Cytogenetics:</b>	2q33.1
<b>Domains:</b>	K_tetra
<b>Protein Families:</b>	Ion Channels: Other