

Product datasheet for **SC322947**

KCTD15 (NM_001129994) Human Untagged Clone

Product data:

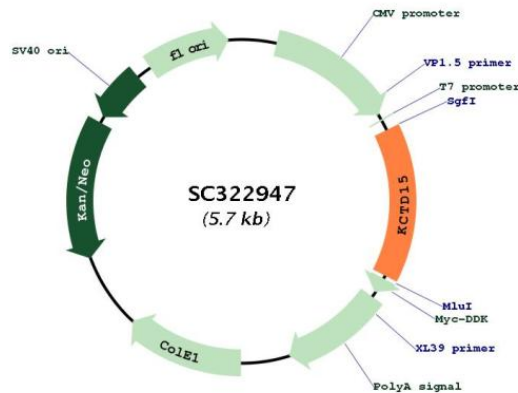
Product Type: Expression Plasmids
Product Name: KCTD15 (NM_001129994) Human Untagged Clone
Tag: Tag Free
Symbol: KCTD15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC322947 representing NM_001129994.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCACCGCAAGGAGCGGCCGAGCGGGTCTCGCTTCACACACACGGCAGCACCGGCACCGCGGAG
GGAGGAAACATGTCCCGGCTGTCTCTCACCCGGTCGCCTGTGTCTCCCCTGGCTGCCAGGGCATCCCC
CTGCCAGCCCAGCTACCAAGTCCAATGCACCTGTGCACATCGATGTGGGCGGCCACATGTACACCAGC
AGCCTGGCCACGCTACCAAGTACCCTGACTCCAGGATAAGCCGCCTCTCAATGGCACTGAACCCATC
GTCCTGGACAGTTTGAAGCAACATTATTTCAATTGACCGGGATGGGAGATTTTCCGCTACGTCCTGAGC
TTCTCTGGGACGTCCAAGCTGTGCTTCCGGATGACTTTAAGGACTTCAGTCTGCTGTACGAGGAGGCG
CGCTACTATCAGCTCCAGCCCATGGTGCAGGAGCTGGAGCGCTGGCAGCAGGAGCAGGAGCAGCGCGC
CGCAGCCGGGCTGTGACTGCCTGGTGGTGCAGCTCACGCCGACTTGGGCGAGCGGATCGCACTCAGC
GGCGAGAAGGCCCTCATCGAGGAGGTCTTCCCGAGACCGGAGACGTATGTGCAACTCCGTCACCGCC
GGCTGGAACAGGACCCACGCACGTATCCGCTTCCCGCTCAATGGCTACTGCCGGCTCAACTCGGTA
CAGGTCCTGGAGCGGCTGTTCCAGAGGGGTTTCCAGCGTGGCTGCGTCTGTGGGGCGGTGTGGACTCC
TCCAGTTCAGCGAGTATGTGCTTGGCCGGAGGAGCGGCCGCCGAGCCACCCCACTGCTGTTCGA
ATCAAGCAGGAACCCCTGGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001129994

Insert Size: 852 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_001129994.1](#)

RefSeq Size: 3936 bp

RefSeq ORF:	852 bp
Locus ID:	79047
UniProt ID:	<u>Q96S11</u>
Cytogenetics:	19q13.11
Protein Families:	Ion Channels: Other
MW:	31.9 kDa
Gene Summary:	<p>During embryonic development, interferes with neural crest formation (By similarity). Inhibits AP2 transcriptional activity by interaction with its activation domain.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses a different splice site in the 3' coding region, compared to variant 1, that results in a frameshift. The resulting protein (isoform 2) has a longer and distinct C-terminus compared to isoform 1. Variants 2 and 3 both encode the same protein.</p>