

## Product datasheet for **SC334982**

### **KCTD20 (NM\_001286580) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KCTD20 (NM_001286580) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD20
Synonyms:	C6orf69; dj108K11.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286580, the custom clone sequence may differ by one or more nucleotides

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ATGTTTGGACCAGGAAGAGAGTACAACCTCACTCGGCCCAATGAGAAGGGAGAGTATGAGATTGCTGAAG
GCATCAGTGCAACTGTATTTTCGCACAGTCTGGATTATTACAAAACCGGTATCATCAATTGCTCTGATGG
CATCTCTATCCCAGATCTTAGAGATACTTGTGATTATCTCTGCATTAATTTTGACTTCAACACTATCCGA
TGTCAAGATCTGAGTCTTTACTCCATGAAGTCTAATGACGGTGCTCATAAGCAGTTTGATCACTACC
TCGAAGAGCTCATCTTGCCCATCATGGTGGGCTGTGCCAAGAAAGGAGAACGAGAGTGCCACATTGTTGT
GCTGACGGATGAGGATTCTGTGGACTGGGATGAAGACCACCTCCACCAATGGGGGAGGAATATTTCCAA
ATTCTTTATAGCTCCAAGCTCTACAGATTCTTCAAATATATTGAGAATAGGGATGTGCAAAAACAGTGT
TAAAGGAACGGGGCCTAAAAACATTTCGATTGGAATTGAAGTTACCCTACCTGTAAAGAAAAAATTAA
GAGAAGGCCTGGCGCCGGTCTGAAGTCATCTATAATTATGTACAACGCCCTTCATCCAGATGTCATGG
GAAAAGGAAGAAGGGAAGAGTCGCCATGTGGATTTCCAGTGTGTTTGAAGCAAAATCCCTCACGAATCTGG
TAGCTGCTGGAGATGATGCTTGGAGGACCAGGAGATTAATGCATCACCACCCCAAGTGGATGAACT
TGACCGGCTAAATGCCCACTTTCTCAGATGGCTTCTAACGACTTTCAGGATTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286580
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).



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<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>	<u>NM_001286580.1, NP_001273509.1</u>
<b>RefSeq Size:</b>	5369 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	222658
<b>UniProt ID:</b>	<u>Q7Z5Y7</u>
<b>Cytogenetics:</b>	6p21.31
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>Gene Summary:</b>	Promotes the phosphorylation of AKT family members.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate exon, resulting in translation initiation at at alternate start codon and a frameshifted 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.