

Product datasheet for **SC328475**

KCTD7 (NM_001167961) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCTD7 (NM_001167961) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCTD7
Synonyms:	CLN14; EPM3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328475 representing NM_001167961. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGTAGTCACGGGGCGGGAGCCAGACAGCCGTCGTCAGGACGGTGCCATGTCCAGCTCTGACGCC
GAAGACGACTTTCTGGAGCCGGCCACGCCGACGGCCACGCAGGCGGGGCACGCGCTGCCCTGTGCCA
CAGGAGTTTCTGAGGTTGTTCCCTTAACATCGGAGGGGCTCACTTCACTACACGCCTGTCCACTG
CGGTGCTACGAAGACACCATGTTGGCAGCCATGTTCACTGGGCGGCACTACATCCCCACGGACTCCGAG
GGCCGGTACTTCATCGACCGAGATGGCACACACTTTGGAGATGTGCTGAATTTCTGCGCTCAGGGGAC
CTCCCACCCAGGGAGCGTGTTCGAGCTGTGTACAAGAGGCCAGTACTATGCCATCGGGCCCTCCTG
GAGCAGCTGGAGAACATGCAGCCACTGAAGGGCGAGAAGGTGCGCCAAGCGTTTCTGGGACTCATGCC
TATTACAAAGACCACTTGGAGCGGATTGTGGAGATCGCCCGGCTGCGTGCGGTCCAGCGGAAGGCCCGC
TTTGCCAAGCTCAAGGTCTGTGCTTCAAGGAGGAGATGCCCATCACCCCTATGAGTGTCCGCTCCTC
AACTCCCTGCGATTTGAGCGGAGTGAGAGTGACGGGCAGCTTTTTGAGCACCCTGTGAAGTGGATGTG
TCTTTTGGGCCCTGGGAGGCTGTGGCTGATGTTTATGACCTGCTGCACTGCCTGGTCACGGACCTCTCG
GCCAGGTCTCACCGTGGACCACCACTGCATCGGGGTGTGTACAAGCACCTCGTGAACCACTACTAC
TGCAAGCGCCCCATCTATGAGTTCAAGATCACATGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001167961
Insert Size:	867 bp



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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:	<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:	<u>NM_001167961.2</u>
RefSeq Size:	3886 bp
RefSeq ORF:	867 bp
Locus ID:	154881
UniProt ID:	<u>Q96MP8</u>
Cytogenetics:	7q11.21
Protein Families:	Ion Channels: Other
MW:	32.9 kDa
Gene Summary:	<p>This gene encodes a member of the potassium channel tetramerization domain-containing protein family. Family members are identified on a structural basis and contain an amino-terminal domain similar to the T1 domain present in the voltage-gated potassium channel. Mutations in this gene have been associated with progressive myoclonic epilepsy-3. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate segment in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) is 1-aa shorter at the C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>