

Product datasheet for **SC320317**

DKC1 (NM_001363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DKC1 (NM_001363) Human Untagged Clone
Tag:	Tag Free
Symbol:	DKC1
Synonyms:	CBF5; DKC; DKCX; NAP57; NOLA4; XAP101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_001363.2
GCATTGCGCAGACGACCAGCGGGCGCCTCGGATTCGCCCCGGGATGGCCCCGCCTCCT
CCCCCCCCGGCAAGGCACGCACAGGGCAGTGC CGCGGTGGGTGGTCTAGCAGCGCG
GCCTGACGGGACCAAGGCGGGGAGTCTGCGGTGTTCCCTCGGCTGTGGACCGGGCGG
CACGCACGCGGTGCAGGGTAACATGGCGGATGCGGAAGTAATTATTTGCCAAAGAAACA
TAAGAAGAAAAAGGAGCGGAAGTCATTGCCAGAAGAAGATGTAGCCGAAATACAACACGC
TGAAGAATTTCTTATCAAACCTGAATCCAAAGTTGCTAAGTTGGACACGCTCAGTGGCC
CCTTTTGCTAAAGAATTTTGATAAGCTGAATGTAAAGACAACACACTATACACCTTTGC
ATGTGGTTCAAATCCTCTGAAGAGAGAGATTGGGACTATATCAGGACAGGTTTCATTAA
TCTTGACAAGCCCTCTAACCCCTCTTCCCATGAGGTGGTAGCCTGGATTGACGGATACT
TCGGGTGGAGAAGACAGGGCACAGTGGTACTCTGGATCCCAAGGTGACTGGTTGTTTAA
CGTGTGCATAGAACGAGCCACTCGCTTGGTGAAGTCACAACAGAGTGCAGGCAAAGAGTA
TGTGGGGATTGTCGGCTGCACAATGCTATTGAAGGGGGACCCAGCTTTCTAGGGCCCT
AGAACTCTGACAGGTGCCTTATCCAGCGACCCCACTTATTGCTGCAGTAAAGAGGCA
GCTCCGAGTGAGGACCATCTACGAGAGCAAAATGATTGAATACGATCCTGAAAGAAGATT
AGGAATCTTTGGGTGAGTTGTGAGGCTGGCACCTACATTCGGACATTATGTGTGCACCT
TGGTTTGTATTGGGAGTTGGTGGTCAGATGCAGGAGCTTCGGAGGGTTCGTTCTGGAGT
CATGAGTGAAAAGGACCACATGGTGACAATGCATGATGTGCTTGTGCTCAGTGGCTGTA
TGATAACCACAAGGATGAGAGTTACCTGCGGCGATTTGTTTACCCTTTGGAAAAGCTGTT
GACATCTCATAAACGGCTGGTTATGAAAGACAGTGCAGTAAATGCCATCTGCTATGGGGC
CAAGATTATGCTTCCAGGTGTTCTTCGATATGAGGACGGCATTGAGGTCAATCAGGAGAT
TGTGGTTATCACCACCAAGGAGAAGCAATCTGCATGGCTATTGCATTAATGACCACAGC
GGTCATCTACCTCGGACCATGGTATAGTAGCCAAGATCAAGAGAGTGATCATGGAGAG
AGACACTTACCCTCGGAAGTGGGTTTAGGTCCAAGGCAAGTCAGAAGAAGCTGATGAT
CAAGCAGGGCCTTCTGGACAAGCATGGGAAGCCACAGACAGCACCTGCCACCTGGAA
GCAGGAGTATGTTGACTACAGTGAAGTCTGCCAAAAAGAGGTGGTTGCTGAAAGTGTAA
AGCCCCGAGGTAGTTGCCGAAGCAGCAAAAACTGCGAAGCGGAAGCGAGAGAGTGAGAG
TGAAAGTGACGAGACTCCTCCAGCAGCTCCTCAGTTGATCAAGAAGGAAAAAGAAGAG
TAAGAAGGACAAGAAGGCCAAAGCTGGTCTGGAGAGCGGGGCCGAGCCTGGAGATGGGA
CAGTGATACCACCAAGAAGAAGAAGAAGAAGAAGAAGCAAAAGAGGTAGAATTGGTTTC
TGAGTAGTGAAGGCCACTTGAAGCTGGAGGAGAACTAAAGCCTTATTGAGAAAACATGT
TATAGATCCTTTTGTGCTGAGAGAGTGAACATAGGTCTTAGACAGGGTGAAGAGTTCT
GGCACATTTTAGCTGCTACTTTGAGACCTCGGTGATGTTACCTGGTGTGGTCATCCCATC
TTGTCCTGTTTTAAGGATATGGGTGGTGAAGATGAAAGAGGCAGAGTTTATCCCAATGA
CTTCTCTGTTTGAAGTGGGAAGCCTCACCTTCAGACCCAGTAACTGTCCGAGCTGTCTG
CTAGTGGTTGCTTAACATCGTAGTCTAGTTTGCATTTTTTAAATCCCCTCTGTTTAA
AGGTTTGTAAAACAAAAAATAAAGTCTGCTCAGTGAATGCTGTAGAACCCTAA
ATAAGTGGTAGAAGAGTGTCACTGAATTTTGTCTCTGAATTCAGTATAACTGAGTTTTGT
CCATGCTGGTGTCTGGTTATAGGCCTGATGGCCTGGTAGTTTTCCATCTTGTCTGGC
CTAGAGGTCAGTCTTTGCACTTCTCAAAGCTTGTGTACAGTGCTCACCTAAATCCATC
TGACTACTTGTCTGTGCCCTCTGTTTTAGGCCTGTTTACTTTTTAAAAAATGAAATT
GTTCAATGCTGGGAGAAGAATGTTGTAATTTTTACTTATTAAGTCAACTTGTTAAGTTT
TTTATGATTCCTGTTGGGTTTTCTTGTGATCTCATGCTAGCAGAGCAAAAAATTGTAA
ATATTTTGATTAATACTAGGGACCTTATGTCCTATTTGAAAAAAAAAAAAAAAAAAAA
    
```

Restriction Sites:

Please inquire

ACCN:

NM_001363

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:	NM_001363.2 , NP_001354.1
RefSeq Size:	2465 bp
RefSeq ORF:	1545 bp
Locus ID:	1736
UniProt ID:	O60832
Cytogenetics:	Xq28
Domains:	PUA, TruB_N
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene functions in two distinct complexes. It plays an active role in telomerase stabilization and maintenance, as well as recognition of snoRNAs containing H/ACA sequences which provides stability during biogenesis and assembly into H/ACA small nucleolar RNA ribonucleoproteins (snoRNPs). This gene is highly conserved and widely expressed, and may play additional roles in nucleo-cytoplasmic shuttling, DNA damage response, and cell adhesion. Mutations have been associated with X-linked dyskeratosis congenita. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>