

## Product datasheet for **RG238118**

### DKC1 (NM\_001288747) Human Tagged ORF Clone

#### Product data:

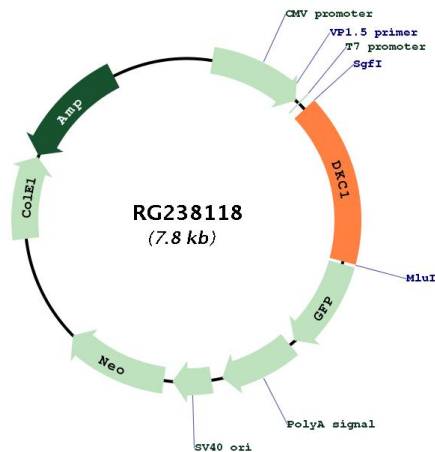
Product Type:	Expression Plasmids
Product Name:	DKC1 (NM_001288747) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DKC1
Synonyms:	CBF5; DKC; DKCX; NAP57; NOLA4; XAP101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238118 representing NM_001288747. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGATGCGGAAGTAATTATTTTGCAAAGAACATAAGAAGAAAAAGGAGCGGAAGTCATTGCCA
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ATGATCAAGCAGGGCCTTCTGGACAAGCATGGGAAGCCACAGACAGCACACCTGCCACCTGGAAGCAG
GAGTATGTTGACTACAGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Plasmid Map:**


**ACCN:** NM\_001288747

**ORF Size:** 1260 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**RefSeq:** [NM\\_001288747.1](#), [NP\\_001275676.1](#)

**RefSeq Size:** 3097 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 1736

**UniProt ID:** [O60832](#)

**Cytogenetics:** Xq28

**Protein Families:** Druggable Genome

**MW:** 48.1 kDa

**Gene Summary:**

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]