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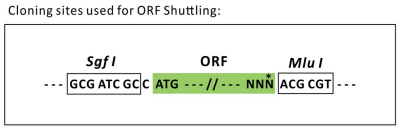
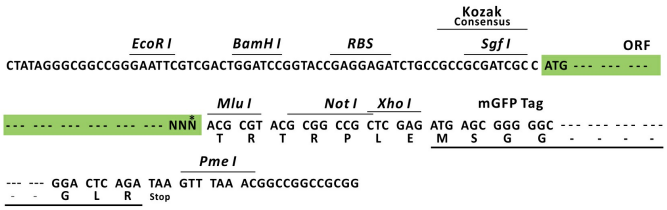
Product datasheet for RC201455L2

DKC1 (NM_001363) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DKC1 (NM_001363) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	DKC1
Synonyms:	CBF5; DKC; DKCX; NAP57; NOLA4; XAP101
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201455).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

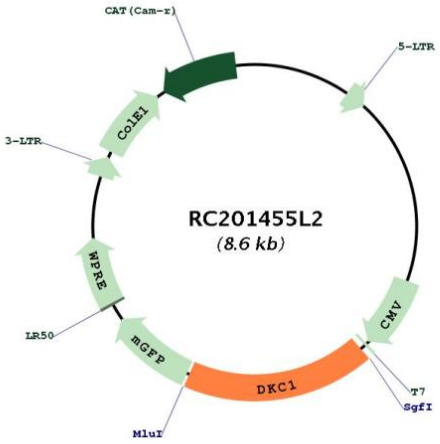




* The last codon before the Stop codon of the ORF.

View online »

Plasmid Map:



ACCN:	NM_001363
ORF Size:	1542 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).
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_001363.2
RefSeq Size:	2608 bp
RefSeq ORF:	1545 bp

Locus ID:	1736
UniProt ID:	O60832
Cytogenetics:	Xq28
Domains:	PUA, TruB_N
Protein Families:	Druggable Genome
MW:	57.7 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]