

## Product datasheet for **RC209391**

### KK LC 1 (CT83) (NM\_001017978) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: KK LC 1

Synonyms: CXorf61; KK-LC-1; KKLC1

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC209391 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACCTCTATTTACTCCTAGCGAGCAGCATTCTGTGTGCCTTGATTGTCTTCTGGAAATATCGCCGCT  
 TTCAGAGAAACACTGGCGAAATGTCATCAAAATCAACTGCTCTTGCACTAGTGAGACCCTCTTCTCTGG  
 GTTAATTAACAGCAATACAGACAACAATCTGCAGTCTACGACCTCTCTCGGGATATTTAAATAATTTT  
 CCACACTCAATAGCCAGGCAGAGCGAATATTGGTAAACCTCAGTATGGTGAAAAACAAGCTGGTTGAAC  
 TGAACATACTCTACTTAGCAAGGGTTTCAGAGGTGCATCACCTACCGGAAATCCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209391 protein sequence  
 Red=Cloning site Green=Tags(s)

MNFYLLASSILCALIVFWKYRRFQRNTGEMSSNSTALALVRPSSGLINSNTDNNLAVYDLSRDILNNF  
 PHSIARQKRILVNLSMVENKLVEHTLLSKGFRGASPHRKST

**TR**TRPLE**QKLISEEDLA**NDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6143\\_e06.zip](https://cdn.origene.com/chromatograms/mk6143_e06.zip)

Restriction Sites: SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_001017978

**ORF Size:** 339 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.

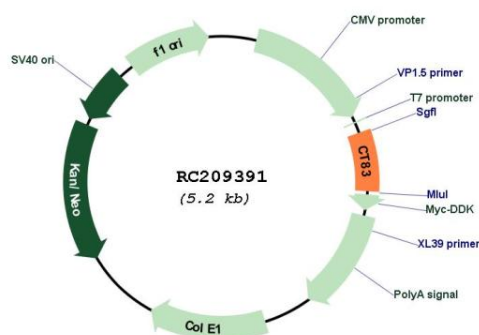
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001017978.4](#)

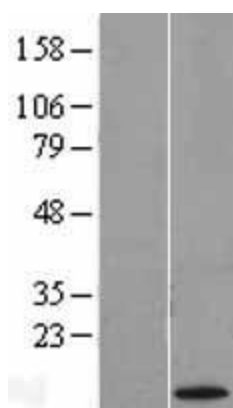
**RefSeq Size:** 580 bp

RefSeq ORF: 342 bp  
 Locus ID: 203413  
 UniProt ID: [Q5H943](#)  
 Cytogenetics: Xq23  
 Protein Families: Transmembrane  
 MW: 12.8 kDa

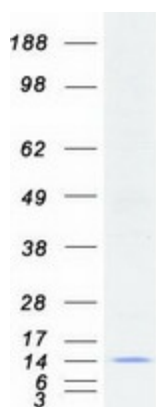
## Product images:



Circular map for RC209391



Western blot validation of overexpression lysate (Cat# [LY400409]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209391 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CT83 protein (Cat# [TP309391]). The protein was produced from HEK293T cells transfected with CT83 cDNA clone (Cat# RC209391) using MegaTran 2.0 (Cat# [TT210002]).