

## Product datasheet for **MR221083**

### **Lcor (NM\_172154) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lcor (NM_172154) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lcor
Synonyms:	3110023F06Rik; A630025C20Rik; mKIAA1795; Mlr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR221083 representing NM\_172154  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGCGAATGATCCAACAATTTGCTGCTGAATATACCTCAAAAAGCTACTACTCAGGACCCAGCC  
 AGCCCAATAGCACAAAGAACCAAGCCTGCCGAAAGCATCTCCAGTCACCACCTCTCCCACGGCTGCAAC  
 TACTCAGAACCCCGTGCTCAGCAAAGCTGCTCATGGCTGACCAAGACTCACCTCTGGACCTTACTGTCAGA  
 AAGTCTCAGTCAGAACCTAGTGAACAAGACGGTGTACTTGACTTATCTACTAAGAAAAGTCCATGTGCTA  
 GCAGCACTTCCCTGAGCCATTCTCCAGGCTGCTCCAGTACTCAAGGGAACGGGGACCTGGGAGACCCAG  
 CCAGTACCGCCAGATGGACTTCGGAGTGGTATGGGGTACCTCCAAGAAGCTTACAGGATGGAACCAGG  
 GAAGGCTTTGGACTCCACATCACTCAAAGTCCACTGGCTCGATCTCTGCAGATTAGTGAAGAACTAC  
 TGAGCAGAAACCAATTGTCCACGGCTGCCAGCCTTGGTCCGTCTGGATTACAGAATCACGGACAGCACTT  
 AATCTTATCCAGGAAGCCTCTTGGGCAAAACCTCACTATGAATTCAGCCTCAGCCGAATGAAGTTCAGG  
 GAAATGGTGCCTCAGCAACATTAGTGACCTTCTTTCTCGCAGAAAAGCTCTGCCTTCCCAAAAATGG  
 CACATCAAAACAAAACAAGATGAAAAAGGGACATGAGCCATTATCTCTCTGTAGATTTAAAGATACCACA  
 AGTTTCAGGAATGGATCTTTCTTGGGAGTCTCGCACTGGTATCAGTACAGCTATAGCTCTTTGGTAATG  
 GGTTACAAAACGGAGAGCGCGCTTAGTAAAAAATTAAGGGCTATTCTTCCAAAACAAAATAGAAAAAGCA  
 TGTTAGATGCTGGACCTGATTCTTGGGGCTCAGATGCTGAGCAGTCTACCTCTGGACAGCCATATCCAC  
 ATCGGATCAAGAAGGAGACCCCTGGCTCCAAGCAGCCGCGGAAGAAAAGAGGGCGTTACAGACAGTACAAC  
 AGTGAGTACTGGAGGAAGCCATCTCGGTGGTTATGAGTGGAAAAATGAGTGTTCCAAAGCTCAGAGTA  
 TTTATGGGATTTCCACAGTACACTGGAGTACAAAGTAAAGGAGAGGCTGGGCACCTTTGAAAAACCTCC  
 AAAGAAAAAGATGAAATTAATGAGGTGCGAGGGCCAGATGTTTTCTGTAAGATTGAATTAGATCCCCAG  
 GGAGAGGCAGCACAAAGTCAAATGAATCAAAAAGCTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR221083 representing NM\_172154  
 Red=Cloning site Green=Tags(s)

MQRMIQQFAAEYTSKTSSTQDPSQPNSTKNQSLPKASPVTTSPATAATTQNPVLSKLLMADQDSPLDLTVR  
 KSQSEPEQDGVLDLSTKKSPCASSTLSHSPGCSSTQGNRPGRPSQYRPDGLRSGDGVPPRSLQDGR  
 EFGHSTSLKVPLARSLQISELLSRNQLSTAASLGPGLQNHGQHLILSREASWAKPHYEFSLSRMKFR  
 GNGALSNISDLPLAENSAFPKMAHQTKQDGKRDMSHSSPVDLKIPQVRGMDLSWESRTGDQYSYSSLVM  
 GSQTESALSKLRAILPKQNRKSMLDAGPDSWGSDAEQSTSGQPYPTSDQEGDPGSKQPRKKRGRYRQYN  
 SEILEEAI SVVMMSGKMSVSKAQSIYIPHSTLEYKVKERLGT LKNPPKKMKLMRSEGPVSVKIELDPQ  
 GEAAQSANESKTE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9044\\_b09.zip](https://cdn.origene.com/chromatograms/mm9044_b09.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_172154

ORF Size: 1299 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\\_172154.4](#), [NP\\_742166.1](#)

RefSeq Size: 4663 bp

RefSeq ORF: 1302 bp

Locus ID: 212391

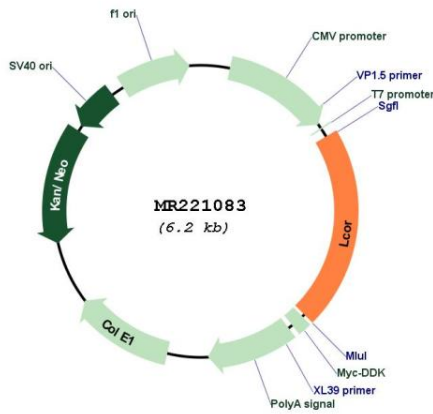
UniProt ID: [Q6ZPI3](#)

Cytogenetics: 19 C3

**MW:** 47.6 kDa

**Gene Summary:** Repressor of ligand-dependent transcription activation by various nuclear repressors. Repressor of ligand-dependent transcription activation by ESR1, ESR2, NR3C1, PGR, RARA, RARB, RARG, RXRA and VDR (By similarity). May act as transcription activator that binds DNA elements with the sequence 5'-CCCTATCGATCGATCTCTACCT-3'. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR221083