

Product datasheet for **MR207080**

Loh1lcr2a (BC004727) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Loh1lcr2a
Synonyms:	E130119J22, BCSC-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR207080 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGACGCAGTGAAAAGAGTGAAGGCTTTAAAGCCAACCTAGGGGGTACTGAAATCTTGACACCCC
 TCTGCAACATTTACAAGGCATCCTCCATTCTGGTCATCCCTACAGCTCTTTGTCTTCACGGATGGAGA
 AGTGAGTGACACATTTAGTGCTATTAGAGAAGTTAAGTTAAACAGCAAGAAACACAGATGTTTCTCTTT
 GGAAATTGGACAAGGAGCCTCGACCAAGTTTAAATCAAAAATATCGCCCGGGTATCAGGGGGTACTGCAGTGT
 TTATCACAGGCAAGGACAGGATGCAGACCAAGGCTCTGGGTCTCTCAAGTTTGCTCTACAGTGTGCAGT
 GGATAACATCTCTCTAAGTTGGGATTGCTCCTGGTTTGTCTGTTAAATGCTTTCTCCAGAGCAACTT
 ACCATCTTTAGGGGTGAGAGTTAATCATCTATGCACAACCTGACTGGGCTTATGCCTCAAGTGGAGAGCA
 CAGGAGCAGTGTGCTCAAGCACATCCTCCAGGGTAGGAGTCTGGAACAGGGTGACATTTTCCCTGCA
 ACCCAAGGCAAATGACAATTTACCATTCATCGGTTGGCTGCAAGTCTTGATTGAGACTAAGGATTTT
 GGATCCCAGGAGGCTCAAAAGAAAGAAAAGAGATGTGATGAACATCAGCCTTCAGTCTGGAGTCTTA
 GCTCCTTCACAGCCTTCATTGCCATAAACAAGGAGCTGAACAAACAGTGCAGGGGCTCTGGCCACAG
 AGTGATTCTTAGGCCAGTGATGGCTGGATCTAGTAGTATGCGGTTCTACTCCAGTTTCTCTGGTGGCTTT
 AAAGGCCACAGCCAAGAAGTTTACGTGTACAGCATATGATTTATGTTTACAGAGAAAGTCTAATCTTG
 TCCTCAAAAAATCTGCGTGTCTGCTATACAGAAAGAAAAGACAAATCTTCTACCAATAAAGCAACTT
 GAAAAAGGAACACAAAGCATTTGGAGAGAATGCTGTGGTGCAGTGATTCTCTCAAAAGGCAAATGGC
 TCCTGGGAGCTAGATGAAGATTTGACCAAGATCCTGGGCACTAAGTCAAAGACATCAAGGCTGCAACCC
 CTGCCAAGCATGAGGACCCCTCAGCCTGGGCCACAGTGTGGCTGTGGTCTGGTTCATGCCAACGGCAC
 AGACTTAAAGTGTGAATGGGAGCTTCTGGAAGGAAGGCTGTGGCCTGGCTCCATGACCATGCAGGTTCC
 TCCATCCCCATGCTTGTGCAAGCTGCCAATAGTCTCCTGAAATTATCTGTGAATCCTGCTGTCTTTGGTG
 TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR207080 protein sequence
 Red=Cloning site Green=Tags(s)

MEDAVKRVKALKANLGGTEILTPLCNLYKASSIPGHPLQLFVFTDGEVSDTFVIREVKLNSSKKHRCFSF
 GIGQGASTSLIKNIARVSGGTAVFITGKDRMQTKALGSLKFALQCAVDNISLSWDLPPGLSVKMLSPEQL
 TIFRGQRLIIYAQLTGLMPQVESTGAVCLKHILQGRSLENRVTFSLQPKANDNFTIHLAASLIQTKDF
 GSQEASKEEKEDVMNISLQSGVLSSTAFIAINKELNKPVGPLAHRVIPRPVMAGSSSMRFYSSFSGGF
 KGPQPRSLRVPAYDLCSAESANLVKKSAISAIQKKKTNSSNKNLKKHEKAFGENAVVQLISLQKANG
 SWELDEDLTKILGTSKDIKAANPAKHEDPSAWATVLAVVWLHANGTDLKCEWELLERKAVAWLHDHAGS
 SIPMLVQAANSLKLKSVNPAVFGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC004727

ORF Size: 1332 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: [BC004727](#), [AAH04727](#)

RefSeq Size: 2394 bp

RefSeq ORF: 1334 bp

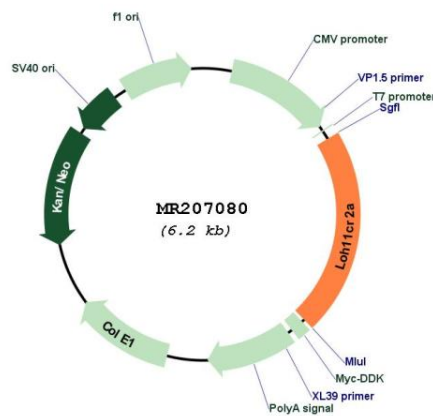
Locus ID: 67776

Cytogenetics: 9 A5.1

MW: 48.2 kDa

Gene Summary: May play a role in tumorigenesis as a tumor suppressor. Altered expression of this protein and disruption of the molecular pathway it is involved in may contribute directly to or modify tumorigenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207080