

Product datasheet for MR220471

Lcn12 (NM_029958) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn12 (NM_029958) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lcn12
Synonyms: 9230102M18Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220471 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGGCCCTTGGTGGGCTCTGTGGCTGATACTCACCTGCCCAAATCCTGGAGAGTCAGATCTCAGCCA
 TGTCTCAAGGCTTTCCCAAGATGACAAGCTTCCAAAGTGACCAGTTTCAGGGAGAGTGGTTTGTCTCGG
 TCTGGCAGACAACACCTTCAGGAGAGAGCACCGGGCCTTGCTGAATTTCTTCACTACATTGTTTGAGCTG
 AAAGAGAAAAGTCAGTTTCAGGTGACCAACTCCATGACTCGGGGCAAGCACTGCAACACTTGGTCTATA
 CCCTGATCCCAGCAACCAAGCCTGGGCAATTCACCAGGGACAACAGAGGGTCAGGGCCTGGGGCAGACAG
 AGAGAATATACAGGTCATAGAGACAGACTACATCACGTTTGCCTGGTGTCTCCCTCAGACAGACAAGC
 AGCCAGAACATCACAAGGTCAGCCTTCTGGGTAGAACTGGAGACTTTCTCATAAGACAATAGACAAGT
 TCATCTGCCTGACCAGGACCCAAAACCTCACAAGGATAACTTCTCTTTCTGATTTGAGTGACTGGTT
 ACCGGATCCACAAGTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220471 protein sequence
 Red=Cloning site Green=Tags(s)

MGPWWALWLILTLPQILESQISAMSGFPQMTSFQSDQFQGEWFLGLADNTFRREHRALLNFFTTLFEL
 KEKSQFQVNSMTRGKHCNTWSYTLIPATKPGQFTRDNRGSGPGADRENIQVIETDYITFALVLSLRQTS
 SQNITRVSLLRNWRLSHKTIDKFICLTRTQNLTKDNFLFPDLSDWLPDPQVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029958

ORF Size: 582 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_029958.1](#), [NP_084234.1](#)

RefSeq Size: 745 bp

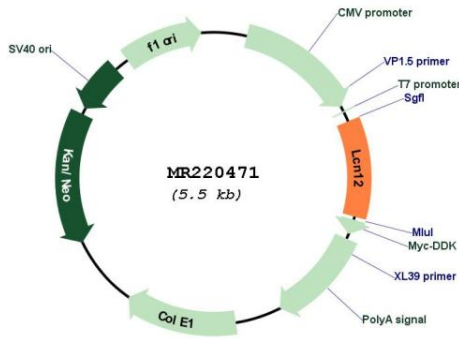
RefSeq ORF: 582 bp

Locus ID: 77701

UniProt ID: [Q6JVL5](#)

Cytogenetics: 2 A3
 MW: 22.3 kDa
 Gene Summary: Binds all-trans retinoic acid and may act as a retinoid carrier protein within the epididymis. May play a role in male fertility (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220471