

Product datasheet for **MG220471**

Lcn12 (NM_029958) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn12 (NM_029958) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lcn12
Synonyms: 9230102M18Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220471 representing NM_029958
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCCTTGGTGGCTCTGTGGCTGATACTCACCTGCCCAAATCCTGGAGAGTCAGATCTCAGCCA
TGTCTCAAGGCTTTCCCAAGATGACAAGCTTCCAAAGTGACCAGTTTCAGGGAGAGTGGTTTGTCTCGG
TCTGGCAGACAACACCTTCAGGAGAGACACCGGGCCTTGCTGAATTTCTTCACTACATTGTTTGAGCTG
AAAGAGAAAAGTCAGTTTCAGGTGACCAACTCCATGACTCGGGGCAAGCACTGCAACACTTGGTCTATA
CCCTGATCCCAGCAACCAAGCCTGGGCAATTCACCAGGGACAACAGAGGGTCAGGGCCTGGGCAGACAG
AGAGAATATACAGGTCATAGAGACAGACTACATCACGTTTGCCTGGTGCTGTCCCTCAGACAGACAAGC
AGCCAGAACATCACAAGGTCAGCCTTCTGGGTAGAACTGGAGACTTTCTCATAAGACAATAGACAAGT
TCATCTGCCTGACCAGGACCCAAAACCTCACAAGGATAACTTCTCTTTCTGATTTGAGTGACTGGTT
ACCGGATCCACAAGTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220471 representing NM_029958
Red=Cloning site Green=Tags(s)

MGPWWALWLILTLQPILESQISAMSQGFPMQTSFQSDQFQGEWFLGLADNTFRREHRALLNFFTTLFEL
KEKSQFQVTNSMTRGKHCNTWSYTLIPATKPGQFTRDNRGSGPGADRENIQVIETDYITFALVLSLRQTS
SQNITRVSLLRNWRLSHKTIDKFICLTRTQNLTKDNFLPDLSDWLPDPQVC

TRTRPLE - GFP Tag - V

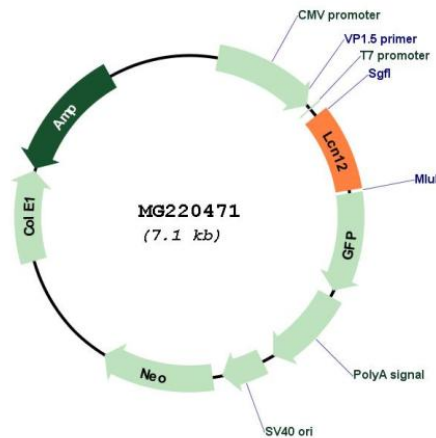
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_029958

ORF Size: 579 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

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]