

Product datasheet for **MG220417**

Lcn10 (NM_178036) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn10 (NM_178036) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lcn10
Synonyms: 9230112J07Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220417 representing NM_178036
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTAGAGATGGCCCTATCCATAGCTCTAGCCCTGGCTGTGGTGTCCGGACGCAGGAGTTTTTCC
 CTAAGGAGGCCAGACTCTCAACTGGAGCAAGTTTTTCAGGCTTCTGGTACATTATTGCCATCGCCACAGA
 CACCCAGGGTTCCTACCGCTAGAGACAAGAGGAAGCTGGGGCATCTGTGGTCAAGGTGCACAAAACA
 GGCCAGCTCAGGGTGGTCATCGCCTTCAGCAGGCCTCGGGCTGCCAGTCCAGGGAGGTGACTCTGAAGA
 AGGACAGGAAGAGACCTGTGTTCAAGGAATACCCCAAGGGAGTAAAGGGCTTCCATGTGCTGTCCACGGA
 CTACACGTACGGCTGGTATACCTCCGCTGGGGCGTGGAGGCAGCAACTACAAGAGCCTGCTGCTTTTC
 AACAGACAGAATCTCTAGCTTCTGAGTCTGCGAGAATTTCTGGACACATGTCATATTCTGCAGCTCA
 CAAACAGGCCACCATCCTTCCGAAAGACGATTCTGTGCACATACGATCCTGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220417 representing NM_178036
 Red=Cloning site Green=Tags(s)

MKLEMALSIALLAVVSWTQEFFPKEAQTLNWSKFSGFYIIAIAITDTQGFLPARDKRKLGASVVKVHK
 GQLRVVIAFSRPRGCSREVTLLKDRKRPVFRNTLKGVKGFHVLSTDYTYGLVYLRLGRGGSNYKSLLLF
 NRQNISSFLSLREFLDTCHILQLTKQATILPKDDSCAHTILP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_178036

ORF Size: 546 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_178036.4](#), [NP_828875.1](#)

RefSeq Size: 1133 bp

RefSeq ORF: 549 bp

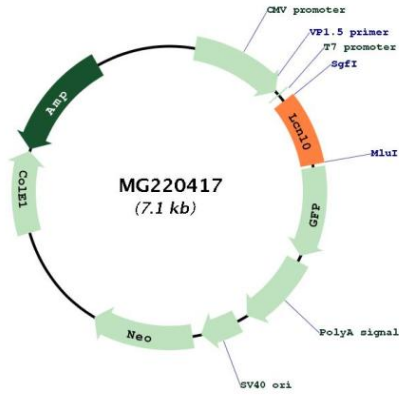
Locus ID: 332578

UniProt ID: [Q810Z1](#)

Cytogenetics: 2 A3

Gene Summary: May play a role in male fertility. May act as a retinoid carrier protein within the epididymis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220417