

## Product datasheet for **MG218156**

### Lcn5 (NM\_007947) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lcn5 (NM\_007947) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Lcn5  
**Synonyms:** E-RABP; Er; Erabp; mE-R; MEP1; MEP10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218156 representing NM\_007947  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCTCAGTTGCTAGGCATATGGAGAGCATCATGCTCTTCACCTTGCTGGGACTGTGTGTGGGGCTGG  
 CAGCTGGCACAGAGGCTGCAGTGGTGAAGGACTTCGACGTAACAAGTTTTAGGCTTCTGGTATGAAAT  
 TGCCCTTGCTCCAAGATGGGTGCATACGGCTTGGCACACAAGGAGGAGAAGATGGGAGCCATGGTGGTT  
 GAGCTGAAAGAGAACCTTCTGGCTCTGACCACCACCTATTACAATGAGGGCCACTGTGTGCTGGAGAAGG  
 TTGCAGCCACTCAGGTGGACGGTTCAGCGAAGTACAAGGTCACCAGAATATCAGGAGAGAAAGAAGTTGT  
 TGTGTAGCCACAGACTACATGACGTATACTGTGATTGATATCACCTCTCTGGTGGCCGGGCGAGTACAT  
 CGAGCCATGAAACTGTACAGCCGGAGCTTGGACAACAATGGGGAAGCTCTGAATAATTTCCAGAAGATAG  
 CCTTGAAGCATGGGTTTTAGAAACAGACATACACATTCTCAAGCATGACTTAACCTGTGTGAACGCATT  
 GCAATCGGGACAGATC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG218156 representing NM\_007947  
 Red=Cloning site Green=Tags(s)

MCSVARHMESIMLFTLLGLCVGLAAGTEAAVVKDFDVKFLGFWYEIALASKMGAYGLAHKEEKMGAMVV  
 ELKENLLALTTYNEGHCVLEKVAATQVDGSAKYKVTRISGEKEVVVATDYMTYVIDITSLVAGAVH  
 RAMKLYSRSLDNNGEALNNFQKIALKHGFSETDIHILKHDLTCVNALQSGQI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

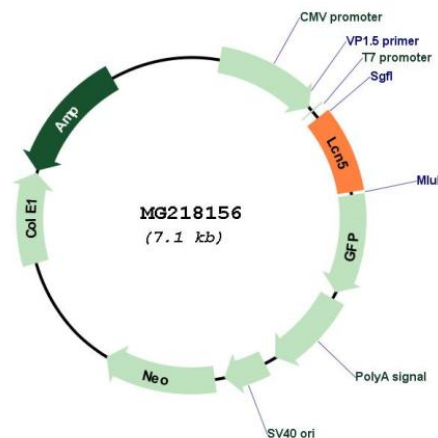


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_007947

ORF Size: 576 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\\_007947.3](#), [NP\\_031973.2](#)

**RefSeq Size:** 695 bp

**RefSeq ORF:** 579 bp

**Locus ID:** 13863

**UniProt ID:** [A2A1B7](#)

**Cytogenetics:** 2 A3

**Gene Summary:** This gene encodes a small secreted protein that is expressed in the epididymis and binds retinoic acid. The precursor protein is processed into both a longer major form and a shorter minor form. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]