

Product datasheet for MR218156

Lcn5 (NM_007947) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn5 (NM_007947) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lcn5
Synonyms: E-RABP; Er; Erabp; mE-R; MEP1; MEP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218156 representing NM_007947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGCTCAGTTGCTAGGCATATGGAGAGCATCATGCTCTTCACCTTGCTGGGACTGTGTGTGGGGCTGG
 CAGCTGGCACAGAGGCTGCAGTGGTGAAGGACTTCGACGTAACAAGTTTTAGGCTTCTGGTATGAAAT
 TGCCCTTGCTCCAAGATGGGTGCATACGGCTTGGCACACAAGGAGGAGAAGATGGGAGCCATGGTGGTT
 GAGCTGAAAGAGAACCTTCTGGCTCTGACCACCACCTATTACAATGAGGGCCACTGTGTGCTGGAGAAGG
 TTGCAGCCACTCAGGTGGACGGTTCAGCGAAGTACAAGGTCACCAGAATATCAGGAGAGAAAGAAGTTGT
 TGTGTAGCCACAGACTACATGACGTATACTGTGATTGATATCACCTCTCTGGTGGCCGGGCGAGTACAT
 CGAGCCATGAAACTGTACAGCCGGAGCTTGACAACAATGGGGAAGCTCTGAATAATTTCCAGAAGATAG
 CCTTGAAGCATGGGTTTTAGAAACAGACATACACATTCTCAAGCATGACTTAACCTGTGTGAACGCATT
 GCAATCGGGACAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218156 representing NM_007947
 Red=Cloning site Green=Tags(s)

MCSVARHMESIMLFTLLGLCVGLAAGTEAAVVKDFDVKFLGFWYEIALASKMGAYGLAHKEEKMGAMVV
 ELKENLLALTTYNEGHCVLEKVAATQVDGSAKYKVTRISGEKEVVVVATDYMTYVIDITSLVAGAVH
 RAMKLYSRSLDNGEALNNFQKIALKHGFSETDIHILKHDLTCVNALQSGQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/ja1568_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

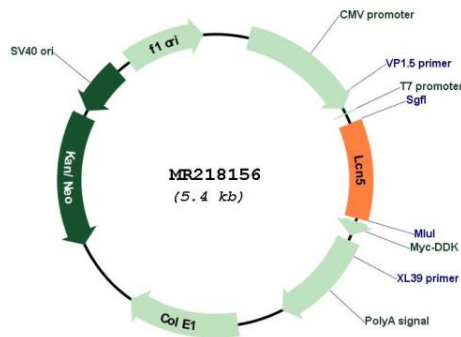
UniProt ID: [A2A1B7](#)

Cytogenetics: 2 A3

MW: 21.5 kDa

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]

Product images:



Circular map for MR218156