

## Product datasheet for MC226196

### Lcn5 (NM\_001276257) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Lcn5 (NM\_001276257) Mouse Untagged Clone

Tag: Tag Free

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)

Fully Sequenced ORF: >MC226196 representing NM\_001276257  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCTCAGTTGCTAGGCATATGGAGAGCATCATGCTCTTCACCTTGCTGGGACTGTGTGTGGGGCTGG  
 CAGCTGGCACAGAGGCTGCAGTGGTGAAGGACTTCGACGTAAACAAGTTTTAGGCTTCTGGTATGAAAT  
 TGCCCTTGCTCCAAGATGGGTGCATACGGCTTGGCACACAAGGAGGAGAAGATGGGAGCCATGGTGGTT  
 GAGCTGAAAGAGAACCTTCTGGCTCTGACCACCACCTATTACAATGAGGGCCACTGTGTGCTGGAGAAGG  
 TTGCAGCCACTCAGGTGGACGGTTCAGCGAAGTACAAGGTCACCAGAATATCAGGAGAGAAAGAAGTTGT  
 TGTGTAGCCACAGACTACATGACGTATACTGTGATTGATATCACCTCTCTGGTGGCCGGGCAGTACAT  
 CGAGCCATGAACTGTACAGCCGAGCTTGGACAACAATGGGGAAGCTCTGAATAATTTCCAGAAGATAG  
 CCTTGAAGCATGGGTTTTAGAAACAGACATACACATTCTCAAGCATGACTATATAGAAATCAAGGCTTT  
 GCCAAAGCCAGGCAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_001276257

Insert Size: 579 bp


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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001276257.1, NP_001263186.1</u>
<b>RefSeq Size:</b>	804 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	13863
<b>UniProt ID:</b>	<u>A2AIB7</u>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (c) is the same length but has a distinct C-terminus, compared to isoform a.</p>