

## Product datasheet for **RR210447**

### Lcn5 (NM\_024136) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lcn5 (NM\_024136) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lcn5  
**Synonyms:** Erabp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210447 representing NM\_024136  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGAATATCATGCCCTTCGCCTTGCTGGGACTGTGTGTTGGGCTGGCAGCTGGCACAGAGGGTGCAG  
TGGTGAAGGACTTCGACATAAGCAAGTTTTTAGGCTTCTGGTATGAGATTGCCTTTCCTCCAAGATGGG  
TACACCTGGCTTGGCACACAAGGAGGAGAAGATGGGAGCCATGGTGGTTCGAGCTGAAAGAGAACCTTCTG  
GCTCTGACCACCCTACTACAGTGAGGACCCTGTGTGCTGGAGAAGGTTACAGCTACTGAGGGGGATG  
GTCCGGCGAAGTTTCAGGTCACCACTATCAGGAAAGAAAGAAGTTGTTGTTGAAGCCACCGACTACCT  
GACCTATGCCATAATTGATATCACCTCTTTGGTGGCTGGGGCAGTCCATCGGACCATGAACTGTACAGC  
CGGAGTTTGGACGACAATGGGGAAGCCCTTTATAATTTCCGGAAGATAACCTCGGACCATGGCTTTTCAG  
AAACGGACCTATACATCTCAAGCATGACTTAACTGTGTGAAGGATTGCAATCGGCTGCTGAATCAAG  
GCCC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR210447 representing NM\_024136  
**Red=Cloning site Green=Tags(s)**

MENIMPFALLGLCVGLAAGTEGAVVKDFDISKFLGFWYEIAFASKMGTPGLAHKEEKMGAMVVELKENLL  
ALTTTTYSEDHCVLEKVTATEGDPAKFQVTRL SGKKEVVVEATDYLTYAIIIDITSLVAGAVHRTMKLYS  
RSLDDNGEALYNFRKITS DHGFSETDLYILKHDLTCVKVLQSAAESRP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

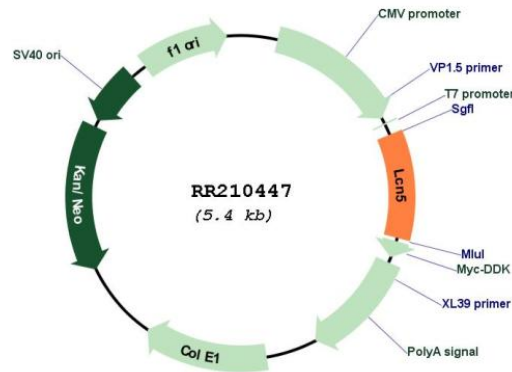
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_024136

ORF Size: 564 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\\_024136.1](#), [NP\\_077050.1](#)

**RefSeq Size:** 718 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 29552

**UniProt ID:** [P06911](#)

**Cytogenetics:** 3p13

**MW:** 20.7 kDa

**Gene Summary:** has a low galactosyltransferase modifying activity in vitro; however, this activity is predicted to be too low for physiological significance [RGD, Feb 2006]