

Product datasheet for RR212001

Lcn8 (NM_001128183) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn8 (NM_001128183) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lcn8
Synonyms: RGD1306747
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212001 representing NM_001128183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGCCAGGCTGCTGGTTGTCGTCTGCAGACTCGTCTGGAGTTCCTGCTGCAGGCAGAGTCTACCA
 GGGTGGAGCTGGTCCAGAGAAGATCGCAGGGTCTGGAAGGAAGTAGCTGTGGCTTCTGACCAAAACCT
 GGTGCTGAAGGCTCAAAGGAGGGTAGAAGGCTTGTTCCTACCTTCAGTGGGAGGAATGTCAGTGTGAAA
 GCCGTGTACAACAGCTCAGGAAGTTGTATGACAGAAAGATCAGTGGGTTCAAGAAAGAGACGCTGCAGGGG
 AATTTGCTTTTCTGGCAACAGGGAGATCCACGTGATGGACACGGACTATGAGCGCTACACCATCCTGAA
 GTTGTCGGTGCTCTGGCAGGGTACAAACTTCCATGTGCTCAAGTACTTCACTCGGAGCCTTGAGAATGAG
 GATGAGCCAGGCTTCTGGAGATTCGGGAAATGACAGCAGACCAAGGCCTTACATGCTGGCCCCGACATG
 GGAGGTGTGCTGAGCTTTGAAAGAGGGACTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212001 representing NM_001128183
 Red=Cloning site Green=Tags(s)

MEARLLVVVCRLLVLEFLLQAESTRVELVPEKIAGFWKEVAVASDQNLVLKAQRRVEGLFLTFSGRNVTVK
 AVYNSSGSCMTERSVGSRDAAGEFAFPGNREIHVMDTDYERYTILKLSVLWQGTNFHVLKYFTRSLENE
 DEPGFWRFREMTADQGLYMLARHGRCHELLKEGLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

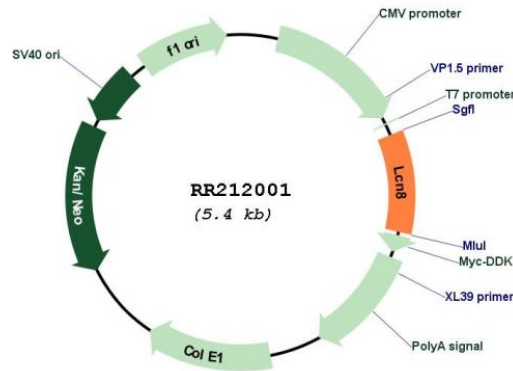


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001128183

ORF Size: 525 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:	<ol style="list-style-type: none">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:	<u>NM_001128183.1</u> , <u>NP_001121655.1</u>
RefSeq Size:	651 bp
RefSeq ORF:	528 bp
Locus ID:	366008
Cytogenetics:	3p13
MW:	20 kDa