

Product datasheet for **RR205686**

Lcn1 (NM_022945) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn1 (NM_022945) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lcn1
Synonyms: Lcn1p1; Vegp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205686 representing NM_022945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCCCTGCTCCTGACCTTCGGCCTCAGCCTCCTGGCTGCCCTGCAGGCCAGGCCTCCCCACCA
CGGAAGAGAATCAGGATGTGTCAGGAACGTGGTATTTGAAAGCTGCAGCATGGGACAAGGAGATTCCTGA
CAAGAAGTTTGGATCTGTGTCTGTGACTCCCATGAAAATCAAGACCTGGAAGGGGGCAACCTGCAAGTG
AAGTTCACTGTCTGATTGCAGGACGATGCAAGGAGATGAGCACTGTCTAGAGAAGACAGATGAACCTG
CCAAATACACAGCCTATAGTGGCAAACAGTACTCTACATCATACCATCTTCAGTGGAGGACCCTACAT
CTTCTACTATGAGGGCAAATACACAGACATCATTTCCAAATTGCAAACTCGTGGGCAGAGACCCTGAG
ATCAACCAGGAGGCCCTGGAAGATTTTCAGAGTGTGTAAGAGCTGGAGGCCTCAACCCAGACAACATCT
TCATCCCCAAGCAGAGTAAAACATGCCCTCTAGGAAGCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205686 representing NM_022945
Red=Cloning site Green=Tags(s)

MKALLLTFGLSLLAALQAQAFPTTEENQDVSGTWYLKAAAWDKAIPDKKFGSVSVTPMKIKTLEGGNLQV
KFTVLIAGRCKEMSTVLEKTDEPAKYTAYSGKQVLYIIPSSVEDHYIFYEYEGKIHRHFQIAKLVGRDPE
INQEALEDFQSVVRAGGLNPDNIFIPKQSETCPLGSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

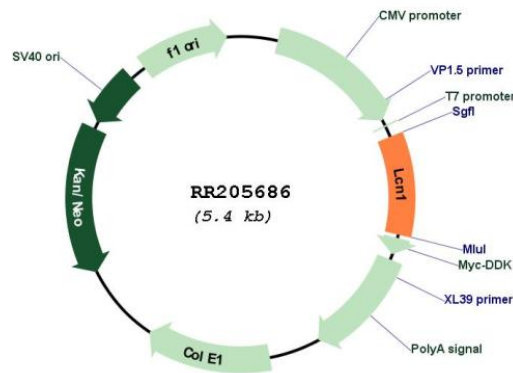


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Cloning Scheme:



Plasmid Map:



ACCN: NM_022945

ORF Size: 531 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.

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|-------------------------------|---|
| 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_022945.1</u> , <u>NP_075234.1</u> |
| RefSeq Size: | 753 bp |
| RefSeq ORF: | 534 bp |
| Locus ID: | 65039 |
| UniProt ID: | <u>P20289</u> |
| Cytogenetics: | 3p13 |
| MW: | 19.7 kDa |
| Gene Summary: | may play a role in taste reception [RGD, Feb 2006] |