

Product datasheet for RC216195

LCN12 (NM_178536) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LCN12 (NM_178536) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LCN12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC216195 representing NM_178536
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTGCTGTGTGGCCTGTGGCTGTGGCTCTCCTTGCTGAAAGTCTGCAGGCCAGACCCCAACCC
 CCCTGCCACTCCCGCCCCGATGCAGAGCTTCCAAGGAAACAGTTCAGGGGGAATGGTTCGTCCTGGG
 CCTGGCGGGCAACAGCTTCAGGCCGGAGCACAGGGCGTCTGAACGCTTTCACCGCAACTTTTGAGCTA
 AGTGATGATGGCCGCTTTGAGGTGTGGAATGCGATGACTCGAGGCCAGCACTGTGACACATGGTCTTATG
 TGCTGATACCCGGCAGCCAGCCTGGCAGTTCACTGTGGACCAGGTGTGGAGCCCGGGCGGACAGAGA
 GGAGACCCGGTGGTGGACAGCGACTACACCCAGTTCGCCCTGATGCTGTCCCGCAGACACAGCAGCAGG
 CTGGCCGTCCTCAGGATCAGCCTGCTGGCAGGAGCTGGTTGCTGCCTCCCGGACGCTGGACCAAGTTCA
 TCTGCCTGGCAGAGCTCAGGCCCTCTCGGATGACAACATCGTCTCCAGATGTGACTGGCTGGTCACC
 CCAGGCCAGCGTCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216195 representing NM_178536
Red=Cloning site Green=Tags(s)

MRLLCGLWLWLSLLKVLQAQTPTPLPLPPMQSFQGNQFQGEWFLGLAGNSFRPEHRALLNAFTATFEL
 SDDGRFEVWNAMTRGQHCDTWSYVLIPAAQPGQFTVDHGVEPGADRETRVVDSDYTFALMLSRRHTRS
 LAVLRISLLGRSWLLPPGTLDQFICLGRAQGLSDDNIVFPDVTGWSPQASVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8115_e02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178536

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

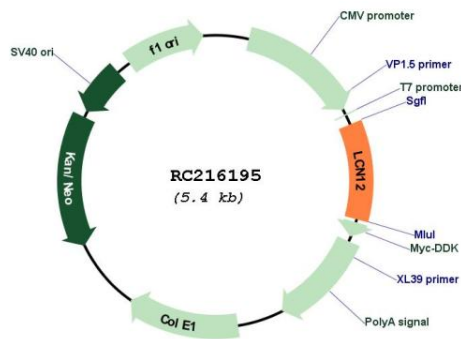
RefSeq: [NM_178536.4](#)

RefSeq Size: 694 bp

RefSeq ORF: 579 bp

Locus ID: 286256
UniProt ID: [Q6JVE5](#)
Cytogenetics: 9q34.3
Protein Families: Secreted Protein
MW: 21.5 kDa
Gene Summary: Members of the lipocalin family, such as LCN12, have a common structure consisting of an 8-stranded antiparallel beta-barrel that forms a cup-shaped ligand-binding pocket or calyx. Lipocalins generally bind small hydrophobic ligands and transport them to specific cells (Suzuki et al., 2004 [PubMed 15363845]).[supplied by OMIM, Aug 2009]

Product images:



Circular map for RC216195