

Product datasheet for **RC209984**

LEAP2 (NM_052971) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LEAP2 (NM_052971) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LEAP2
Synonyms: LEAP-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209984 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCACCTCAAACCTTGTGCAGTCCTCATGATCTTCCTGTTGCTGTTGGCCAGATAGATGGCTCCC
CAATACCAGAAGTGAGTTCGGCAAAGAGAAGGCCACGGAGAATGACCCCATTTTGGAGAGGGTTCCCT
CAGGCCTATTGGAGCCTCTGCCGGATGATTCTGAGTGTATCACAAGGCTATGCAGAAAAGACGCTGT
TCCTTAAGTGTGGCCAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209984 protein sequence
Red=Cloning site Green=Tags(s)
MWHLKLCVLMIFLLLLGQIDGSPPIPEVSSAKRRPRRMTPFWRGVSLRPIGASCRDDSECITRLCRKRRR
SLSVAQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6548_c12.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_052971

ORF Size: 231 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_052971.3](#)

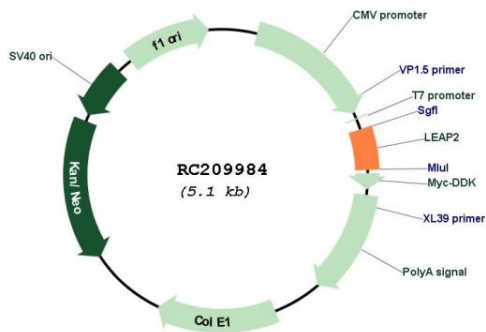
RefSeq Size: 707 bp

RefSeq ORF: 234 bp

Locus ID: 116842

UniProt ID: [Q969E1](#)
Cytogenetics: 5q31.1
Protein Families: Secreted Protein
MW: 8.8 kDa
Gene Summary: This gene encodes a cysteine-rich cationic antimicrobial peptide that is expressed predominantly in the liver. The mature peptide has activity against gram-positive bacteria and yeasts. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RC209984