

Product datasheet for **RR207531**

Limk2 (NM_024135) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Limk2 (NM_024135) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Limk2 |
| Synonyms: | Limk2b; Link2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR207531 representing NM_024135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGCTGGCGGGTGAAGAGCGCTGGAGGTGTCGGGGCTGTGGCAACTATGTTCCCTGAGCCAGA
 GGCTGTACAGGACAGCCAACGAGGCCTGGCATAGCTCCTGCTTCCGGTGTCCGAGTGCCAGGAGTCCCT
 CACCAACTGGTACTATGAGAAGGACGGGAAGCTCTACTGCCACAAGGACTACTGGCCAAGTTTGGAGAA
 TTCTGCCACGGGTGCTCCCTGCTGATGACAGGGCCAGCCATGGTGGCTGGGGAGTTAAAGTACCACCCAG
 AGTGCTTTGCCTGCATGAGTTGCAAGGTGATCATCGAGGATGGGGATGCGTACGCCCTGGTGCAGCATGC
 TACTCTACTGCGGGAAGTGCCACAATGAGGTGGTGTGGCACCCATGTTTAAAAGACTGTCTACGGAG
 TCTGTCCAGGACCAGCTGCCCTACTCTGTACGCTCATCTCCATGCCTGCCACCACCGAGTGCAGACGTG
 GCTTCTGTGTCTGTGAAAGCGCCTCCTCTAACTATGCCACCACCGTGAAGTAAAAGAGGTCAACCG
 GATGCACATCAGCCCCAACCAACCGAAATGCCATCCACCCGGGGACCGCATCTTGGAGATCAATGGGACC
 CCTGTCCGCACTCTCCGAGTAGAAGAGGTGGAGGATGCGATTAACCAGACGAGCCAGACACTTCAACTGC
 TGATTGAACATGACCCTGTCCCCAGCGCCTGGACCAGTTACGGCTAGACACCCGGCTTTCTCCCCACAT
 GCAGAGTAGTGGACATACTCTCATGCTCAGCACCTTGGACGCCAAGGAAAATCAGGAGGGAACACTGAGG
 AGACGTTCTCTGAGGCGCAGTAACAGCATCTCCAAGTCTCCTGGCCCCAGCTCCCCAAGGAGCCGCTGC
 TCCTGAGCCGAGACATCAGTCGCTCAGAGTCCCTTCGCTGCTCCAGCAGTACTCACAGCAGATCTTCCG
 GCCCTGTGACCTGATCCACGGGGAGGTCTGGGAAGGGCTTCTTCGGACAGGCCATCAAGGTGACTCAC
 AAAGCCACAGGCAAAGTGATGGTCATGAAGGAGTTAATTCGCTGTGATGAGGAAACCCAGAAGACTTCC
 TGACTGAGGTGAAAGTGATGCGAAGCCTGGACCACCCTAACGTGCTTAAGTTTCATCGGGTCTGTACAA
 GGACAAGAAGCTGAATCTGCTGACAGAGTACATTGAGGGGGCACCCCTGAAGGACTTTCTGCGCAATGTG
 GACCCGTTTCCCTGGCAACAGAAGGTCAAGTTTGCCAAAGGCATCGCTTCCGGAATGGCTTATTTACT
 CCATGTGCATCATCCACCGAGATCTGAACTCGCACAAGTGTCTCATCAAATGGACAAGACGGTGGTGGT
 AGCAGACTTCGGGCTGTACGTCTCATAGTGGAAGAGAGGAAAAGGCCTCCAGTAGAGAAGGCCGCCACC
 AAGAAACGCACCTTACGCAAGAGTGATCGCAAGAAGCGCTACACTGTGGTGGGAAACCCCTACTGGATGG
 CCCCTGAGATGCTGAATGGCAAGAGCTACGATGAGACTGTGGATGTCTTCTTTTGGGATTGTTCTCTG
 TGAGATCATTGGGCAGGTATATGCTGATCCGACTGCCTTCCCCGCACACTGGACTTCGGCCTCAACGTA
 AAGCTTTTCTGGGAGAAGTTTGTCCCAACAGACTGTCCCCAGCCTTCTCCCCCTGGCTGCTATCTGCT
 GCAAACCTGGAGCCTGAGAGCAGACCGGCATTCTCAAAGCTGGAGGACTCATTGAGGGCGCTCCCTGTT
 CTTGGGAGAGTTGGCCATCCCCTGCCAGCAGAGCTGGAAGAGCTGGACCACACTGTGAGCATGGAGTAT
 GGCTAACCCGGGACTCGCCACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207531 representing NM_024135
Red=Cloning site Green=Tags(s)

```

MAALAGEEAWRCRGCNGYVPLSQRLYRTANEAWHSSCFRCSECQESLTNYYEKDGKLYCHKDYWAKFGE
FCHGCSLLMTGPAMVAGEFKYHPECFACMSCKVIEDGDAYALVQHATLYCGKCHNEVVLAPMFERLSTE
SVQDQLPYSVTLISMPATTECRRGFSVSVESASSNYATTVQVKEVNRMHISPNNRNAIHPGDRILEINGT
PVRTLREEVEDAINQTSQTLQLLIEHDPVQRLDQLRLDTRLSPHMQSSGHTLMLSTLDAKENQEGTLR
RRSLRRSNSISKSPGPSSPKEPLLLSRDISRSESLRCSYSQQIFRPCDLIHGEVLGKGFQAIKVTH
KATGKVMVMKELIRCDEETQKTFLTEVKVMRSLDHPNVLFKIGVLYKDKKLNLLTEYIEGGTLKDFLRNV
DPFPWQKVRFAKGIASGMAYLHSMCIHRDLNSHNCLIKLTKTVVADFGLSRLIVEERKRPPVEKAAT
KKRTLKSDRKKRYTVVGNPYWMAPEMLNGKSYDETVDVFSFGIVLCEIIGQVYADPDCLPRTLDFGLNV
KLFWEKFPVPTDCPPAFFPLAAICCKLEPESRPAFSKLEDSFEALSLFLGELAIPLPAELEELDHTVSM EY
GLTRDSPP
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_024135

ORF Size: 1914 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_024135.2](#), [NP_077049.2](#)

RefSeq Size: 3455 bp

RefSeq ORF: 1917 bp

Locus ID: 29524

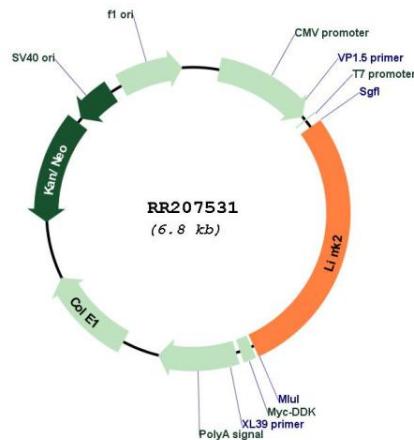
UniProt ID: [P53670](#)

Cytogenetics: 14q21

MW: 72.2 kDa

Gene Summary: kinase with a LIM-kinase (LIMK) domain; human homolog phosphorylates cofilin [RGD, Feb 2006]

Product images:



Circular map for RR207531