

Product datasheet for **RN207531**

Limk2 (NM_024135) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN207531 representing NM_024135
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGCTGGCGGGTGAAGAGCGCTGGAGGTGTCGGGGCTGTGGCAACTATGTTCCCTGAGCCAGA
 GGCTGTACAGGACAGCCAACGAGGCTGGCATAGCTCCTGCTTCCGGTGTCCGAGTGCCAGGAGTCCCT
 CACCAACTGGTACTATGAGAAGGACGGGAAGCTCTACTGCCACAAGGACTACTGGCCAAGTTTGGAGAA
 TTCTGCCACGGGTGCTCCCTGCTGATGACAGGGCCAGCCATGGTGGCTGGGGAGTTAAAGTACCACCCAG
 AGTGCTTTGCCTGCATGAGTTGCAAGGTGATCATCGAGGATGGGGATGCGTACGCCCTGGTGACGATGC
 TACTCTACTGCGGGAAGTGCCACAATGAGGTGGTGTGGCACCCATGTTTAAAGACTGTCTACGGAG
 TCTGTCCAGGACCAGCTGCCCTACTCTGTACGCTCATCTCCATGCCTGCCACCACCGAGTGACAGCTG
 GCTTCTGTGTCTGTGAAAGCGCCTCCTCTAACTATGCCACCACCGTGAAGTAAAGAGGTCAACCG
 GATGCACATCAGCCCCAACCAACCGAAATGCCATCCACCCGGGGACCGCATCTTGGAGATCAATGGGACC
 CCTGTCCGCACTCCTCGAGTAGAAGAGGTGGAGGATGCGATTAACCAGACGAGCCAGACACTTCAACTGC
 TGATTGAACATGACCCTGTCCCCAGCGCTGGACCAGTTACGGCTAGACACCCGGCTTTCTCCCCACAT
 GCAGAGTAGTGGACATACTCTCATGCTCAGCACCTTGGACGCCAAGGAAAATCAGGAGGGAACACTGAGG
 AGACGTTCTTGAGGCGCAGTAACAGCATCTCCAAGTCTCCTGGCCCCAGCTCCCCAAGGAGCCGCTGC
 TCCTGAGCCGAGACATCAGTCGCTCAGAGTCCCTTCGCTGCTCCAGCAGCTACTCACAGCAGATCTCCG
 GCCCTGTGACCTGATCCACGGGGAGTCTGGGAAAGGGCTTCTTCGGACAGGCCATCAAGGTGACTCAC
 AAAGCCACAGGCAAAGTGATGGTCATGAAGGAGTTAATTCGCTGTGATGAGGAAACCCAGAAGACTTCC
 TGACTGAGGTGAAAGTGATGCGAAGCCTGGACCACCTAACGTGCTTAAGTTTCATCGGGTCTGTACAA
 GGACAAGAAGCTGAATCTGCTGACAGAGTACATTGAGGGGGCACCTGAAGGACTTCTGCGCAATGTG
 GACCCGTTTTCCCTGGCAACAGAAGTCAAGTTTGCCTAAAGGCATCGCTTCCGGAATGGCTTATTTACT
 CCATGTGCATCATCCACCGAGATCTGAACTCGCACAAGTGTCTCATCAAATTGGACAAGACGGTGGTGGT
 AGCAGACTTCGGGCTGTACGTCTCATAGTGGAAGAGAGGAAAAGGCCTCCAGTAGAGAAGGCCGCCACC
 AAGAAACGCACCTTACGCAAGAGTGATCGCAAGAAGCGCTACTGTGGTGGGAAACCCCTACTGGATGG
 CCCCTGAGATGCTGAATGGCAAGAGCTACGATGAGACTGTGGATGCTTCTCTTTGGGATTGTTCTCTG
 TGAGATCATTGGCAGGTATATGCTGATCCGACTGCCTTCCCCGCACACTGGACTTCGGCTCAACGTA
 AAGCTTTTCTGGGAGAAGTTTGTCCCAACAGACTGTCCCCAGCCTTCTCCCCCTGGCTGCTATCTGCT
 GCAAACCTGGAGCCTGAGAGCAGACCGGCATTCTCAAAGCTGGAGGACTCATTGAGGCGCTCCTCCGT
 CTTGGGAGAGTTGGCCATCCCCTGCCAGCAGAGCTGGAAGAGCTGGACCACACTGTGAGCATGGAGTAT
 GGCTAACCCGGGACTCGCCACCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024135
- Insert Size:** 1917 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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