

Product datasheet for MC224537

Lmtk2 (NM_001081109) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmtk2 (NM_001081109) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lmtk2
Synonyms:	2900041G10Rik; A330101P12Rik; aatyk2; BREK; cprk; KPI-2; KPI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224537 representing NM_001081109 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGGGCCGCCGGCGTCCGCCGCCGCCGATGCTCCTGCTGCTCCTGCTCCTGACGGTCGGCTGTG
CCCGGGCCCGCCACTTCCGCAAACAGGTGCAGGGGAAGTACCTGTTGTAGAAGTCCCTCCTGTTTGT
GATCCTGTCGGTGTGCAGTTTATTGATACTGATAGTGTTAATTGCAAACGTGTTTCTGCTGTAAGGAC
CCAGAAATAGACTTTAAGGAATTTGAAGACAATTTTATGATGATGAGATAGACTTCACCCACCAGCAGAAG
ACACCCCGTCCATCCAGTCCCGCAGAGGTCTTCACGCTCTCAGTGCCCAACATCTCACTCCAGCTCC
ATCCCAGTTCAGGCTTCTGTGGAAGGTTTGAAGTCTCAAGTCGCCGCCACAGTCTCAACTACATACAG
GAGATCGGGAGTGGCTGGTTTGGAAAGGTCCTCCTGGGAGAGACTTACACAGGCACCAGCGTCGCGAGAG
TCATAGTGAAGGAGTTAAAAGTCAGTGCAAGCCCAAGGAGCAGGACACTTTCCTGAAGAGTGGAGAGCC
TTACTACATCCTCCAGCATCCAAATGTCCTCCAGTGTGTGGGACAGTGTGTGGAAGCCATCCCTACCTT
CTGGTGTGTTGAGTCTGCGACCTGGGTGACCTGAAGGCTTACCTGCACAATGAGCAAGAACAGTGGCGG
GTGATTCACAGACCATGCTGCTACAGAGGATGGCGTGTGAGATTGCCGCAGGGCTGGCAGCCATGCACAA
GCTGCACCTTTCTGCACAGTGTCTGGCCCTGCGGAATTTGTTATCTCACCTCCGACTTAAATGTCAAAGT
GGTACTATGGAATAGGCTTACGAGATACAAGGAGGATTACATTGAGACAGATGACAAGAAAGTTTTCC
CCCTGAGATGGACTGCTCCAGAATTAGTGACCAGCTTTCAGACAGACTTTGACTGCAGATCAGACTAA
ATACAGTAATATCTGGTCTTAGGTGTAACACTTTGGAACTCTTCAACAATGCTGCTCAGCCGTATGCA
AACCTTTCTGACCTGGATGTCCTCAATCAAGTCATTCCGGAGAGGGACATGAAGCTCCCAAAGCCGACG
TGGAGCAGCCGTAAGTCCGATAGATGGTACGAAGTGTGCAAGTCTGCTGGCTGCCCTGACAAGAGGCC
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CCATCCTTGACCACTTCGCCCGGACCGGCTGGGTGGGAGATGGAGGAGTCTCACGGTGACGGAGAC
CAGCCAGGGCCTGAGCTTTGAGTATGTGTGGGAGGCTGCCAAGCAGCACCATTTTATGAGCAGGGCCGG



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GGCCACCCAGATGAAGCCCTGTCTTACTCCAGCATGTTCTTCCCAGTGGAGGTGTTTGAGAATTCGCTTT
 CAGATCCTGGCCCTGGCAAGCAAGATGACAGTGGCCAGGAGGTGCCCGTGAGGGCCCTGGGGTGGTTCC
 TGTGTTTGATGCACACAACCTCTCTGTTGGAAGTGACTACTACATCCAGCTGGAGGAGAAAAAGCAGCAGC
 AATCTGGGACTGGACCCCTGCACTGCTCACAAGTGAAGTAGATAAGCTAGAGAGGGCTGGGGCTGAGG
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 GTTCAAGCCTGGATGACCCCAAGGACACCTGCCAGTCTGACAAAAGAAAAGCCCATAAAGCTCTTGACCA
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 CAGAATGAAGGTGCAGGTGTGAGCGTACAGTGGTACCTCACCACAGGCTCCCGAGCCTTGCTCAGAG
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 TGAGTCTAACCAACAGACACCCCATCCTTGTAATGATATTACTGCTCAGGGTAGCGTGGAGAGTTGCT
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 AAACACTCGGAAGCTGCGGAGACTTTAAACCAGCTTAACCTAAGGCTGCCCGGAGGATGCAGCCTTGG
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 CACCTCAGAGCAGTCTGTGGAGACGCCAGACTCCCTGGATTCAAGTGGATGTCGTAAGCATTGCTAGAG
 TCCCTAGGCTCCACACCCCTCGGAACTCTTGCTCCGATAAGCCTGCCGACAGCGGCTATGAGACGG
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 AGCAGGTGACAGTGGCCACAGCAGTGTGCTCCCAACCCGGTCATTGTCATCTCGGATGCAGGCGATGGC
 CACAGAGGTGCTGAAGGTCTCCTCAGAGCTTCAACTTGGCCCCAGAGTTCATATCGAGACTCTGCAT
 ACTTCTCAGACAATGACTCGGAGCCAGATAAAAAGCCCGAGGAGGTCCCAGGAACATCTGCCAATGCCCT
 GGTGTTGGTAAAGGGCCAGTCCCACTGAGTCAGTTGTCCAGAAAGAAAGCTCTGATGTCAGAGAAGGC
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 AACTACAAGAAACATTGCAGCCACACCAGCTGATGCTTCCAGAGAGTCTGTCTGTGAACGACGAGGC
 CAGCAGCCCTTGAGTTTGTGAATTCAGAACCTAGCAGCTGCGATGACCTGGACACACAGGAAGATCGC
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 ACTTTGTGTGCTGGGATGCTGGACCTCTCGGAGGATGGGATGGATGCCGATGAGGAGGATGAGAACAGC
 GACGACTCGGACGAGGACCTTCGAGCCTTCAACTTGCACAGCCTAAGCTCTGAGTCTGAAGACGACACGG
 AGCACCCTGTGCCATCATTGTGTCAGTAACGATGATGGTAGGCACCTGCGGAGTTTGTGAAACCCTCAGC
 TGCCGAGGCCATTGAGCAGCTGCCGGAAGACTGGAAGAAGGAAAAGAAGGCAGTGACATTTTTCGATGAT
 GTCACCGTTTATCTGTTGACCAGGAAACCCCAACAAAGAGCTGGGGCACTGCGGGGAGAAAGCACATG
 GCCCTGGGCCAGCAGCCAGCAGCGTCTCAAGTTCCCTACCTAGGGAGTGCATGAATTCGAAAG
 TTCCACGGATGAAGAAGGCGGAGGCTTTGAATGGGACGATGACTTCTCCCGACCCCTTTCATGTCAAAG
 ACAACAAGCCTTCTGGGTTCCAAGCCTTCTCTTCAAACCTCAAATACTTCTCTCCTCCCCACCGGCCA
 GGAGCGCAGAGCAGAGCTGGCCGACGTGTCCCTGCTCCCGGTTCTCCATCTCTCCTGCCAACATTGC
 CAGCTTCTCTCACACCTCACGGACTCAGACATTGAACAAGGAGGCAGCAGTGAAGACGGAGACAAG
 GACTAG

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3214_d09.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_001081109

Insert Size: 4416 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:	<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_001081109.1</u> , <u>NP_001074578.1</u>
RefSeq Size:	8114 bp
RefSeq ORF:	4416 bp
Locus ID:	231876
UniProt ID:	<u>Q3TYD6</u>
Cytogenetics:	5 G2
Gene Summary:	Phosphorylates PPP1C, phosphorylase b and CFTR.[UniProtKB/Swiss-Prot Function]