

Product datasheet for **MR208537**

Lcp2 (NM_010696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcp2 (NM_010696) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lcp2
Synonyms:	AI323664; BB161688; m1Khoe; SLP-76; SLP76; twm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208537 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTGAAGAATGTCCCGTTTCGCTCAGAGGTCTAGCCTGGAACCTCAGACAACCTCGCTGACTATT
 TCAGGAAGCTGAACTACAGGGACTGTGAGAAGGCTGTGAAGAAATACCACATTGATGGTGCCTCGGTTTTT
 GAACCTGACAGAAAATGACATTCAGAAGTTCCTAAGCTGAGGATGCCACTTCTCAGTAAGTTGAGTCAA
 GATATCAACAAGAACGAAGAGAGAAGGAGCATTTTACACGCAAACCCAGATCCACGGTTTTCTTGAGG
 AGACAGAAAGCCACGAAGAAGACGATGGTGGTGGTCACTTTGAAGATGACTATGAAAGTCCCAATGA
 TGATGATCCAGATGGGGAGGACGATGGTACTATGAGTCCCTAATGAGGAGGAACAGGCCCTGGTGGAC
 GATGCTGCTGACTATGAGCCTCCACCCTCAACAACGAGGAGGCTCTGCAGAGCTCCATCTGCCCCCA
 ACTTTTTCCACAACCAACTCCATGTACATCGACCGACCTCCACTGGCAAGGTCTCCAGCAGCTCC
 AGTGCCCCCACTGAGACAAAACCTGCCCTCCCTCCCTGCCAACAGGCAGGAATCACTCGCCACTGTCT
 CCACCCCATCCCAACCACGAAGAGCCCAGCAGAAGTGGAACAACAAGACAGCAAAGTTGCCTGCTCCAT
 CAATAGACAGAAGCACAAAACCTCCCTGGACCGCTCACTGGCCCTCTTGACCGAGAGCCCTTCACT
 AGGAAAGAAACCACATTTTCTGATAAGCCCTCAGCCCCATTGGGGAGGGAACATTTACCAAGATACAA
 AAGCCTCCTTTGCCACCAGCCATGGACAGACACGAAAGAAATGAAAGACTCGGACCCGTGACAACAGGA
 AGCCACCAGTTCCAAGGCATGGAAGGGGACCAGACAGAAGAGAGAATGATGAAGATGATGTGCATCAGAG
 ACCTTTGCCACAGCCGCTCACTACCTCCATGAGCTCCAACACATTCCTTCGAGATCTGTCCAGCCCAGC
 TCCAAGAACACATTCCCATTGGCCACATGCCGGGAGCCTTCTCAGAAAGCAACATTGGCTTTCAGCAGA
 GTGCCTCCCTGCCGCCATACTTCTCAAGGTCAGGCAACAGGCCACCTCTCAGAAGTGAAGGCAGAAA
 CTTACCCTTGCCGGTTCCAACAGGCCTCAGCCTCCATCTCTGGGGAAGAAGAGACACCCTTAGATGAA
 GAGTGGTATGTCTCTTATACACCCGACAGAGGCAAGCTGCTCTGAGGAAGATAAACAGGATGGCA
 CCTTCTGGTTAGAGACAGCTCTAAGAAGACAGCGAACATCCGTATGTCCTCATGGTGTGTACAAAGA
 CAAAGTTTACAACATCCAAATCCGCTACCAGGAGGAAAGTCAAGTCTACTTGTGGGCACTGGACTTAGA
 GGAAAAGAGGACTTCTGTCTGTATCAGATATTATTGACTACTTCAGGAAAATGCCGCTGTTGCTCATTG
 ATGAAAAGAAATCGAGGTCAGATACCAGTGCACACTAACACACGCTGCAGGCTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208537 protein sequence
 Red=Cloning site Green=Tags(s)

MALKNVPFRSEVLAWNSDNLADYFRKLNRYRDEKAVKKYHIDGARFLNLTENDIQKFPKLRMPLLSKLSQ
 DINKNEERRSIFTRKPQIPRFLREETESHEEDDGGWSSFEDDYESPNDPDPGEDDGDYESPNEEQALVD
 DAADYEPSPSNNEALQSSILPPNSFHNTNSMYIDRPPTGKVSQPPVPLRPKPALPPLPTGRNHSPLS
 PPHPNHEEPSRSGNKTAKLPAPSIDRSTKPLDRSLAPLDREPFILGKKPPFSDKPSAPLGREHLPKIQ
 KPPLPPAMDRHERNERLGPVTRKPPVPRHGRGPDRENDVHQRPLPQPSLSPSSNTFPSRSVQPS
 SKNTFPLAHMPGAFSESNIQFQQSASLPPYFSQGPGRNPLRSEGRNLPVVPNRQPPSPGEEETPLDE
 EWYVSYITRPEAEALRKINQDGTFLVRDSSKKTANNPYVLMVLKDKVYNIQIRYQEEESQVYLLGTGLR
 GKEDFLSVSDIIDYFRKMPLLLIDGKNRGSRYQCTLTHAAGCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010696

ORF Size: 1602 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_010696.2](#)

RefSeq Size: 3348 bp

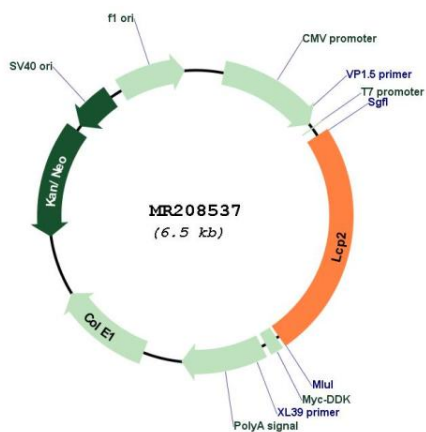
RefSeq ORF: 1602 bp

Locus ID: 16822

UniProt ID: [Q60787](#)

Cytogenetics: 11 A4
 MW: 60.2 kDa
 Gene Summary: Involved in T-cell antigen receptor mediated signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208537