

Product datasheet for **RR210515**

Lcp2 (NM_130421) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcp2 (NM_130421) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lcp2
Synonyms:	Slp76
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210515 representing NM_130421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGAAGAATGTCCCCTTCGCTCAGAGGTCTTAGCCTGGAACCCAGACAACCTTGCTGATTATT
 TCAGGAAGCTGAACTACAGAGACTGTGAGAAGGCTGTGAAGAAATACCACATTGATGGCGCTCGGTTTTT
 GAACCTGACAGAAAACGACATTCAGAAGTTTCTAAACTGAGGATGCCGATTCTCAGTAAGTTGAGTCAA
 GATATCAACAAGAACGAAGAGAGAAGGAGCATTTTACACGCAAACCCCGTTCCACGATATCCTGAGG
 AAATAGAAATCCATGAAGAAGACGATGGTGGTGGTCACTTTGAAGATGACTATGAAAGTCCCAATGA
 CGACGATCCAGATGGGGAGGATGATGGTACTATGAGTCCCCTAACGAGGAGGAAGAGACGCTAGTGGAC
 GATGCTGCTGACTATGAGCCGCCACCCTCCAACGATGAGGAGGCTCTGCAGAACTCCATCCTGCCTGCCA
 AGCCTTTCCCAACCAACTCCATGTACATTGACCGGCTCCCACCGGCAAGGTCTCCAGCAGCCTCC
 GGTGCCCCGAGAGACCAATGGCCGCCCTCCCTCCCCTGCCAACAGGCCGGAATCACTCGCCCAACCAT
 GAAGAACCTAGCAGAAATCGGAACCATAAAACAGCAAAGCTGCCTGCTCCATCAATAGACAGAAGCACAA
 AACCTCCCCTGGACCGCTCATTGGCTCCTCTTGGACCGAGAGCCCTTACTGGGAAAGAAACCCCTCTGA
 TAAGCCCTCCGCTCCACTGGGAAGGGAGCATTTACCCAAGATACAGAAGCCTCCTTTGCCGCCAGCCATG
 GACAGACACGAAAGAAATGAAAGAATCGGACCCCTGACAGCAAGGAAGCCACCAGTTCGAAGGCATGGAA
 GGGGACCAGACAGAAGAGACAATGATGAAGATGATGTGCACCAGAGGCTTTGCCACCCATCACTACC
 TTCTATGAGTCCAACACATTTCTTTCGAGATCTACCAAGCCAGCCCAAGAACACATTTCCATTGGCT
 CACATGCCGGGAGCCATCTCAGAAAGTAACATTGGCTTTCAGCAGAGTGCCTCCCTGCCATCATACTCT
 CTCAAGGTCCCAGCAGCAGGCCACTGTGAGAAATGAAGTCAAGAACTTACCTTTACCAGTCCAAACAG
 GCCTCAGCCTCCATCTCCTGGGGAAGAAGTCTCCATTAGACGAAGAATGGTATGTCTCTTATATTACC
 CGGCCAGAGGCAGAAGCTGCTCTGAGGAAGATAAACCAGGATGGCACCTTCTGTTAGAGACAGCTCTA
 AGAAGACAGTGAACAATCCATATGCTCCTCATGGTGTGTACAAAGACAAAGTTTACAACATCCAGATCCG
 TTACCAGGAGAAAGTCAAGTCTATTTGTTGGTACTGGGCTTCGGGAAAGAGGACTTCTGTCTGTA
 TCAGATATTATTGACTACTTCAGGAAAATGCCACTGTTACTCATTGATGGAAAAACCGAGGTCTAGAT
 ACCAGTGCACACTAACACATGCTGCAGGCTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210515 representing NM_130421
 Red=Cloning site Green=Tags(s)

MALKNVPFRSEVLAWNPDNLADYFRKLNRYRDEKAVKKYHIDGARFLNL TENDIQKFPKLRMPILSKLSQ
 DINKNEERRSIFTRKPPVPRYPPEEIEIHEEDDGGWSSFEDDYE SPNDDDPDGEDDGDYE SPNEEEETLVD
 DAADYEPPPSNDEEALQNSILPAKFPNTNSMYIDRPPTGKVSQQPPVPPQRPMAALPLPTGRNHSPNH
 EEP SRNRNHKTAKLPAPSIDRSTKPPLDRSLAPPLDREPLLGKKPSDKPSAPL GREHLPKIQKPLPPAM
 DRHERNERIGPLTARKPPVPRHGRGPDRRDNDEDDVHQRLPHPSLPSMSNTFPSRSTKPSKNTFPLP
 HMPGAISESNIQFQASLPSYFSQGPSRPPVVRNEVRNLPLVPNRPQPPSPGEEESPLDEEWVYSYIT
 RPEAEAAALRKINQDGTFLVRDSSKKTVNNPYVLMVLYKDKVYNIQIRYQEEESQVYLLGTGLRGKEDFLSV
 SDIIDYFRKMPLLLIDGKNRGSRYQCTLTHAAGCL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_130421
ORF Size:	1575 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:	<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:	NM_130421.2 , NP_569105.1
RefSeq Size:	3407 bp
RefSeq ORF:	1578 bp
Locus ID:	155918
Cytogenetics:	10q12
MW:	59.5 kDa
Gene Summary:	hematopoietic cell-specific protein; may mediate signaling events in multiple cell types in the immune system [RGD, Feb 2006]