

Product datasheet for **MG208537**

Lcp2 (NM_010696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcp2 (NM_010696) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lcp2
Synonyms:	AI323664; BB161688; m1Khoe; SLP-76; SLP76; twm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208537 representing NM_010696
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGAAGAATGTCCCGTTTCGCTCAGAGGTCTAGCCTGGAACCTCAGACAACCTCGCTGACTATT
 TCAGGAAGCTGAACTACAGGGACTGTGAGAAGGCTGTGAAGAAATACCACATTGATGGTGCCTCGGTTTTT
 GAACCTGACAGAAAATGACATTCAGAAGTTCCTAAGCTGAGGATGCCACTTCTCAGTAAGTTGAGTCAA
 GATATCAACAAGAACGAAGAGAGAAGGAGCATTTTACACGCAAACCCAGATCCACGGTTTCTTGAGG
 AGACAGAAAGCCACGAAGAAGACGATGGTGGTGGTCACTTTGAAGATGACTATGAAAGTCCCAATGA
 TGATGATCCAGATGGGGAGGACGATGGTACTATGAGTCCCCTAATGAGGAGGAACAGGCCCTGGTGGAC
 GATGCTGCTGACTATGAGCCTCCACCCTCCAACAACGAGGAGGCTCTGCAGAGCTCCATCTGCCCCCA
 ACTTTTCCACAACCAACTCCATGTACATCGACCGACCTCCACTGGCAAGGTCTCCAGCAGCCTCC
 AGTGCCCCCACTGAGACAAAACCTGCCCTCCCTCCCCTGCCAACAGGCAGGAATCACTCGCCACTGTCT
 CCACCCCATCCCAACCACGAAGAGCCCAGCAGAAGTGAAACAACAAGACAGCAAAGTTGCCTGCTCCAT
 CAATAGACAGAAGCACAAAACCTCCCCTGGACCGCTCACTGGCCCTCTTGACCGAGAGCCCTTCACT
 AGGAAAGAAACCACATTTTCTGATAAGCCCTCAGCCCCATTGGGGAGGGAACATTTACCAAGATACAA
 AAGCCTCCTTTGCCACCAGCCATGGACAGACACGAAAGAAATGAAAGACTCGGACCCGTGACAACGAGGA
 AGCCACCAGTTCCAAGGCATGGAAGGGGACCAGACAGAAGAGAGAATGATGAAGATGATGTGCATCAGAG
 ACCTTTGCCACAGCCGCTCACTACCTTCCATGAGCTCCAACACATTCCTTCGAGATCTGTCCAGCCCAGC
 TCCAAGAACACATTCCCATTGGCCACATGCCGGGAGCCTTCTCAGAAAGCAACATTGGCTTTCAGCAGA
 GTGCCTCCCTGCCGCCATACTTCTCAAGGTCAGGCAACAGGCCACCTCTCAGAAGTGAAGCAGAGAA
 CTTACCCTTGCCGGTTCCAACAGGCCTCAGCCTCCATCTCCTGGGGAAGAAGAGACACCCTTAGATGAA
 GAGTGGTATGTCTCTTATACACCCGACCAGGCGAGAAGCTGCTCTGAGGAAGATAAACAGGATGGCA
 CCTTCTGGTTAGAGACAGCTCTAAGAAGACAGCGAACATCCGTATGTCCTCATGGTGTGTACAAAGA
 CAAAGTTTACAACATCCAAATCCGCTACCAGGAGGAAAGTCAAGTCTACTTGTGGGCACTGGACTTAGA
 GGAAAAGAGGACTTCTGTCTGTATCAGATATTATTGACTACTTCAGGAAAATGCCGCTGTTGCTCATTG
 ATGAAAAGAAATCGAGGTCAGATACCAGTGCACACTAACACACGCTGCAGGCTGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208537 representing NM_010696
 Red=Cloning site Green=Tags(s)
 MALKNVPRFSEVLAWNSDNLADYFRKLNRYRDEKAVKKYHIDGARFLNL TENDIQKFPKLRMPLL SKLSQ
 DINKNEERRSIFTRKPQIPRFL EETESHEEDDGGWSSFEDDYESPND DDPDGEDDGDYSPNEEQALVD
 DAADYEPPPSNNEEALQSSILPPNSFHNTNSMYIDRPPTGKVSQPPVPLRPKPALPPLPTGRNHSPLS
 PPHPNHEEPSRSGNKTAKLPAPSIDRSTKPLDRSLAPLDREPFILGKKPPFSDKPSAPL GREHLPKIQ
 KPPLPPAMDRHERNERLGPVTRKPPVPRHGRGPD RRENEDDVHQRLPQPSLPSMSSNTFPSRSVQPS
 SKNTFPLAHMPGAFSESNI GFQQSASLPPYFSQGPGNRPLRSEGRNLPLVPNRPQPPSPGEEETPLDE
 EWYVSYITRPEAEALRKINQDGTFLVRDSSKKTANNPYVLMVL YKDKVYNIQIRYQEESSQVYLLGTGLR
 GKEDFLSVSDIIDYFRKMPLLLIDGKNRGSRYQCTLTHAAGCL

TRTRPLE - GFP Tag - V

Restriction Sites:

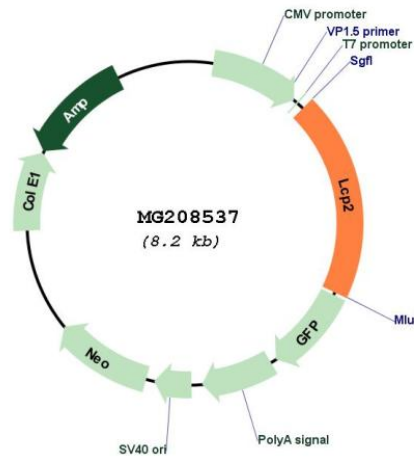
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_010696
ORF Size:	1599 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_010696.2
RefSeq Size:	3348 bp
RefSeq ORF:	1602 bp
Locus ID:	16822
UniProt ID:	Q60787
Cytogenetics:	11 A4
Gene Summary:	Involved in T-cell antigen receptor mediated signaling.[UniProtKB/Swiss-Prot Function]