

Product datasheet for MR211864

L1cam (NM_008478) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L1cam (NM_008478) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L1cam
Synonyms:	CD171; L1; N-CAM-L1; NCAM-L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211864 representing NM_008478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGTGATGCTGCGGTACGTGTGGCCTCTCCTCCTCTGCAGCCCTGCCTGCTCATACAGATCCAG
ACGAATATAAAGGACACCATGTGCTAGAGCCACCTGTCATCACGGAACAGTCTCCACGGCGCCTGGTTGT
CTTCCCAACAGATGACATAAGCCTGAAATGTGAAGCCAGAGCCAGACCCCAAGTGGAGTCCGCTGGACG
AAAGATGGCATCCACTTCAAACCAAGGAAGAATTGGGTGTAGTGGTGCATGAGGCACCCATTCTGGCT
CCTTACCATCGAAGGCAACAACAGCTTTCGCCAGAGTTTCAGGGCATCTATCGCTGCTATGCCAGCAA
TAAGCTAGGAAGTCCATGTGCGATGAGATCCAGCTCGTGGCCGAGGGTGCCCCAAGTGGCCGAAGGAG
ACTGTA AACCTGTGGAAGTGGAGGAAGGAGAATCAGTAGTTCTGCCTTGAACCCCTCCACCCAGTGCAG
CCCCACTTAGGATCTACTGGATGAACAGCAAGATTTTGCACATCAAACAAGATGAGCGGGTGTCCATGGG
CCAGAATGGAGACCTATATTTTGCCAATGTGCTTACCTCAGACAATCATTAGACTACATCTGCAATGCC
CACTTCCCTGGTACCCGGACCATCATTCAAAAGGAACCTATTGACCTCCGGGTCAAGCCCACCAACAGCA
TGATTGACCGGAAGCCACGTCTGCTCTTCCCACAACTCCAGCAGCCGCTGGTAGCCTGCAGGGCCA
GTCATTGATCCTGGAGTGCATTGCTGAGGGATTCCTACACCCACCATCAAGTGGCTGCACCCAGTGAC
CCAATGCCAACAGACCGTGTATCTACCAAACCAACAAGACCCCTGCAACTACTCAATGTGGCGAAG
AGGACGATGGCGAGTATACCTGCCTTGGTGAAGACTCGTGGGCAGTGCCCGGCATGCCTACTATGTTAC
TGTGGAAGCTGCCCATATTGGCTGCAGAAGCCCCAGAGCCATTTGTATGGTCCAGGAGAGACTGCCCGC
CTAGACTGCCAAGTCCAGGGCAGGCCCAACCAGAGATCACTTGGAGAATCAACGGAATGTCTATGGAGA
CGGTGAACAAGGACCAGAAGTACCGGATTGAGCAGGGTCTCTGATCTTGAGTAACGTGCAGCCAAGTGA
CACAATGGTGACCCAGTGTGAAGCCGCAACCAGCATGGGCTCCTGCTAGCCAATGCCTACATTTATGTT
GTCCAGCTGCCAGCCAGGATCCTAACAAAAGACAATCAGACATACATGGCAGTTGAGGGCAGTACTGCTT
ACTTGCTGTGCAAAGCCTTTGGAGCTCCTGTTCCAGTGTCCAGTGGCTGGATGAAGAAGGAACACAGT
GCTTCAGGATGAACGATTTTCCCTATGCCAATGGAACGCTGAGCATCAGAGACCTCCAGGCCAATGAC



[View online »](#)

ACTGGACGCTATTTCTGCCAGGCTGCCAATGACCAGAACAATGTGACCATTTTGGCTAACCTACAGGTTA
AAGAAGCAACCCAGATCACACAGGGGCCCGGAGCGCAATTGAGAAGAAAGGTGCAAGGGTGACATTCAC
GTGCCAGGCCTCCTTTGACCCCTCTTGCAGGCCAGCATCACTTGGCGTGGAGATGGGAGAGACCTACAG
GAACGTGGGGACAGTGACAAGTATTTATAGAAGATGGGAACTAGTCATCCAGAGCCTGGACTACAGTG
ACCAGGGCAACTACAGTTGTGTGCCAGCACTGAACTGGATGAGGTGGAGAGCAGGGCACAGCTCTTAGT
GGTGGGAGCCCTGGGCCAGTGCCTCACCTGGAGCTGTCCGACCCACCTGCTGAAGCAGAGCCAGGTG
CACTTGTCTTGGAGCCCTGCTGAAGACCACAACCTCCCATTGAGAAGTATGACATTGAATTTGAGGACA
AGGAAATGGCTCCTGAGAAATGGTTCAGTCTGGGCAAGGTGCCAGGAAATCAGACCTCTACTACCCCTCAA
GCTGTCCCCCTATGTCCACTACACCTTTTCGGGTCACTGCCATTAACAAATATGGTCTGGAGAACCACGC
CCTGTCTCTGAGACTGTGGTACACCTGAGGCAGCCCCAGAGAAGAACCCTGTGGATGTGAGAGGGGAAG
GGAATGAGACCAACAATATGGTCATCACATGGAAGCCCTTCGGTGGATGGATTGGAATGCCCCAGAT
TCAGTACCGTGTACAGTGGCGTCCACAGGGCAAGCAGGAGACCTGGAGGGAAACAGACCGTGGAGCCCT
TTCTGGTGGTGTCTAACACTTCCACATTTGTGCCTTATGAGATCAAAGTCCAGGCAGTGAACAACCAGG
GCAAGGGCCCTGAGCCCCAGTCAACATTTGGCTATTCAGGGGAAGACTACCCCCAGGTGAGCCCTGAACT
TGAAGACATCACAATCTCAACTCAAGTACTGTGCTTGTGAGGTGGAGGCCTGTGGACTTGGCCAGGTT
AAGGGCCACCTCAAGGGATACAATGTAACATACTGGTGGAAAGGGCAGCCAGAGAAAGCACAGCAAGAGGC
ATATCCACAAAAGCCACATAGTGGTACCTGCAAAATACCACCAGTGCCATCCTCAGTGGTTTGCGCCCTTA
CAGCTCTTACCATGTGGAGGTACAGGCCTTAAATGGGCGGGGCTTGGGGCCTGCGAGTGAATGGACCTTC
AGCACCCAGAGGGAGTGCCTGGCCACCCTGAGGCATTACACCTGGAGTGTGAGTCCGACACTAGTCTGC
TACTGCACTGGCAGCCACCCTCAGCCACAATGGAGTGTCACTGGTACCTGCTCTTACCATCCCGT
GGAAGGGGAAAGCAAAGAGCAGTTGTTCTTCAACCTTTCGGACCCAGAACTCCGGACTCATAATCTGACC
AACCTCAACCCCTGATCTACAGTACCGCTTCCAGCTTTCAGGCCACCACCAACAGGGTCTGGTGGAGCCA
TCGTGCGTGAAGGAGGCACCATGGCCCTGTTTGGCAAGCCAGATTTTGGCAACATCTCAGCCACAGCAGG
TGAAAACCTACAGCGTGGTCTCCTGGGTCCCTCGGAAGGGCCAGTGAATTTAGGTTCCATATCTTGTTT
AAAGCCTTACCAGAAGGGAAAGTGAAGCCCTGATACCAGCCTCAGCCTCAGTATGTGAGTACAATCAGA
GCTCCTACACACAATGGAACCTACAGCCTGACACCAAAATATGAGATCCACCTGATAAAGGAGAAGGTCT
CCTGCACCATCTGGATGTGAAGACTAATGGAACCTGGCCCTGTGCGAGTTTCTACTACAGGTAGCTTTGCC
TCCGAGGGCTGGTTCATCGCCTTGTGAGCGCTATCATTCTTGTCTCCTCATCTGCTCATCTCTGCT
TCATCAAACGCAGCAAGGGTGGCAAATACTCAGTGAAGGACAAGGAGGACTCAGGTAGATTCCGAGGC
CCGGCCCATGAAAGACGAGACCTTCGGCGAGTACAGTCCCTGGAGAGTGACAATGAAGAGAAGGCCTTT
GGCAGCAGCCAGCCATCTCTCAACGGAGACATCAAACCCCTAGGCAGTGTGACAGCCTGGCTGATTATG
GGGGCAGTGTGGACGTCCAGTTCAATGAGGATGGCTCTTTCATCGGCCAGTACAGTGGCAAGAAAGAGAA
GGAGGCAGCAGGAGGCAATGACAGTTTCAGGGGCTACCTCTCTATCAATCCTGCAGTAGCCCTAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211864 representing NM_008478
 Red=Cloning site Green=Tags(s)

MVVMLRYVWPLLLCSPCLLIQIPDEYKGGHVVLEPPVITEQSPRRLVVFPTDDISLKCEARGRPQVEFRWT
 KDGIFHKPKEELGVVVHEAPYSGSFTIEGNNSFAQRFQGIYRCYASNKLGAMSHEIQLVAEGAPKWPKE
 TVKPVVEEGESVVLPCNPPPSAAPLRIYWMNSKILHIKQDERVSMGQNGDLYFANVLTSDNHSDYICNA
 HFPGTRTIIQKEPIDLRVKPTNSMIDRKPRLLFPTNSSRRLVALQGQSLILECIAEGFPPTTIKWLHPSD
 PMPTDRVIYQNHKTLQLLNVGEEDDGEYTCLAENSLGSARHAYVTVVEAAPYWLQKQPSHLYGGETAR
 LDCQVQGRPQPEITWRINGMSMETVNKDQKYRIEQGSLILSNVQPSDTMVTQCEARNQHGLLLANAYIYV
 VQLPARILTKDNQTYMAVEGSTAYLLCKAFGAPVPSVQWLDEEGTTVLQDERFFPYANGTLSIRDLQAND
 TGRYFCQAANDQNNVTILANLQVKEATQITQGPRSAIEKKGARVFTTCQASFDPSLQASITWRGDGRDLQ
 ERGDSKDYFIEDGKLVISLQSDYSDQGNYSVASTELDEVESRAQLLVGSPGPVPHLELSDRHLLKQSQV
 HLSWSPAEDHNSPIEKYDIEFEDKEMAPEKWFSLGKVPGNQSTTLKLSYVHYTFRVTAINKYGPGEPS
 PVSETVVTPEAAPEKNPVDVRGEGNETNMMVITWKPLRWMWVAPQIQYRVQWRPQKQETWREQTVSDP
 FLVVSNTSTFVPEIKVQAVNNQKGPPEPQVTIGYSGEDYQVSPLELITIFNSSTVLVWRPVDLAQV
 KGHLKGVNVTYWWKGSQRKHSKRHIHSHIVVPANTTSAILSGLRPYSSYHVEVQAFNGRGLGPASEWTF
 STPEGVPGHPEALHLECQSDTSLLLHWQPPLSHNGVLTGYLLSYHPVEGESKEQLFFNLSDPELRTHNLT
 NLNPDQLYRFQLQATTQQGPGEAIVREGGTMALFGKPDFGNISATAGENYSVVSWVPRKGCNFRFHILF
 KALPEGKVPSPDHQPQYVSYNQSSYQWNLQPDTKYEIHLIKEKVLHHLDVKTNGTGPVVRVSTTGSFA
 SEGWFIAFVSAIILLILLILCFIKRSKGGKYSVKDKEDTQVDESEARPMKDETFGEYRSLESDNEEKAF
 GSSQPSLNGDIKPLGSDDSLADYGGSDVQVFNEDGSFIGQYSGKKEKEAAGGNDSSGATSPINPAVALE

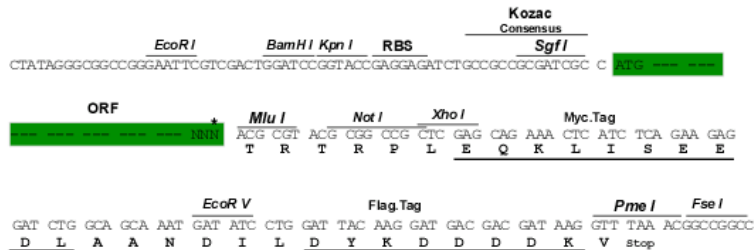
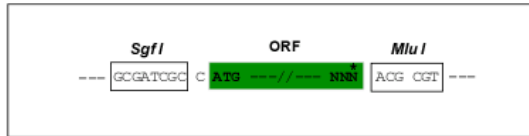
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

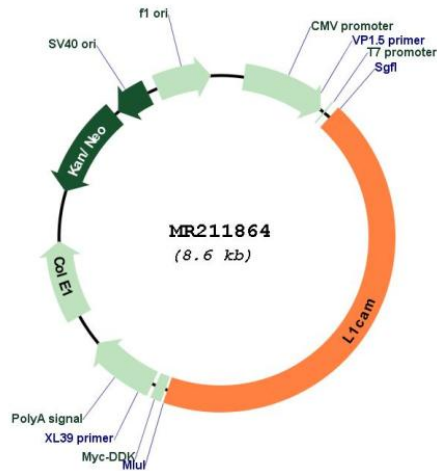
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_008478

ORF Size: 3777 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_008478.3](#), [NP_032504.3](#)

RefSeq Size: 5288 bp

RefSeq ORF: 3780 bp

Locus ID: 16728

Cytogenetics: X 37.43 cM

MW: 141.4 kDa