

## Product datasheet for **RN200937**

### L1cam (NM\_017345) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L1cam (NM_017345) Rat Untagged Clone
Tag:	Tag Free
Symbol:	L1cam
Synonyms:	Hsas; Hyd; N-CAM L1; NCAML1; NgCAM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200937 representing NM_017345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCATGATGCTGTGGTACGTGTTGCCTCTTCTCCTCTGCAGCCCCTGCCTGCTCATAACAGATTCTG  
ATGAATATAAAGGACACCATGTACTGGACCCCTGTCATCACAGAACAGTCTCCACGGCGCTGGTTGT  
CTTCCCAACAGATGACATAAGCCTCAAATGTGAAGCCAGAGGCAGACCCCAAGTGGAGTTCGGCTGGACG  
AAAGATGGCATCCACTTCAAACCTAAGGAAGAATTGGGTGTAGTGGTACACGAGGCACCCTATTCTGGCT  
CCTTCACCATCGAAGGCAACAACAGCTTTGCCAGAGTTTCAGGGCATCTATCGCTGCTATGCCAGCAA  
TAATCTAGGAAGTCCATGTGCGATGAGATCCAGCTCGTGGCTGAGGGTGCACCAATGGCCGAAGGAG  
ACTGTAACCCGTTGGAAGTGGAGGAAGGAGAATCAGTAGTCTACCTTGCAATCCTCCACCCAGTGCAG  
CCCCACTTAGGATCTACTGGATGAACAGCAAGATTTGACATCAAACAAGATGAGCGGGTGTCCATGGG  
CCAGAACGGAGACCTATATTTGCCAATGTGCTTACCTCAGACAATCATTAGACTACATCTGCAATGCC  
CACTTCCCTGGCACCCGGACCATCATTTCAAAGGAACCTATTGACCTCCGGGTCAAGCCCACCAACAGCA  
TGATTGACCGGAAGCCAGCCTGCTTTCCCAAACTCCAGCAGTCACTCGTGGCCTTGACAGGGCCA  
GTCATTAATCCTGGAGTGCATTGCTGAGGGATTCCCTACACCCACCATCAAGTGGCTGCACCCAGTGAC  
CCTATGCCAACAGACCGTGTATCTACCAGAACCATAACAAGACTGCACTCCTCAATGTGGCGGAGG  
AAGATGATGGCGAGTACCTGCCTTGCTGAGAACTCACTGGCAGTGTGCGCATGCCTACTATGTGAC  
TGTGGAAGCTGCCCCATACTGGCTGCAGAAGCCCCAGAGTCATTTGTATGGGCCAGGAGAGACTGCCCGC  
CTAGACTGCCAAGTCCAGGGCAGGCCCCAACAGAGGTCACTGGAGAATCAACGGAATGTCTATAGAGA  
AGGTGAACAAGGACCAGAAGTACCGGATTGAGCAGGGTCTTTGATCCTGAGTAATGTGCAACCAAGTGA  
CACAATGGTGACCCAGTGTGAAGCTCGCAACCAGCATGGGCTCCTACTAGCCAATGCCTATATCTATGTT  
GTCCAGCTGCCAGCCAGGATCCTAACAAAAGACAATCAGACATACATGGCAGTAGAGGGCAGTACTGCTT  
ACTTGCTGTGCAAGCCTTTGGAGCTCCTGTTCCAGTGTCCAGTGGCTGGATGAGGAAGGAACACAGT  
GCTTCAGGATGAAAGATTTTCCCTATGCCAATGGACACCTGGGCATCAGAGATCTCCAGGCCAATGAC  
ACTGGACGCTATTTCTGCCAGGCTGCCAATGACCAGAACAATGTGACATTTTGGCTAACCTACAGGTTA



AAGAAGCAACCCAGATCACACAAGGACCCCGGAGCACAATTGAGAAGAAAGGTGCAAGGGTGACATTACAGTCCAGGCTCCTTTGACCCCTCTTTACAAGCCAGCATCACTTGGCGTGGAGATGGGAGAGACCTCCAGAACGTGGAGACAGTGACAAGTATTTATAGAAGATGGGCAACTTGTATCAAGAGCCTGGACTACAGTACCAGGGAGACTACAGTTGTGTGGCCAGCACTGAACTGGATGAGGTGGAGAGCAGGGCACAACCTCTAGTGGTGGGAAGCCCTGGGCCAGTGCCTCACCTGGAGCTGTCCGACCCCACTGTCTGAAGCAGAGCCAGGTGACTTGTCTTGGAGCCCTGTCTGAAGACCACAACCTCCCATTGAGAAATATGACATTGAATTTGAGGACAAGGAAATGGCTCCTGAGAAATGGTTTCAGTCTAGGCAAGGTGCCAGGAAATCAGACCTCTACTACCTCAAAGCTGTCCCCTATGTCCACTACACCTTTTCGGGTCACTGCCATTAACAAATATGGTCTGGAGAACCAGCCCTGTCTCTGAGACTGTAGTACACCTGAGGCAGCCCCAGAGAAGAACCCTGTGGATGTGAGAGGGGAAGGAAATGAGACCAACAATATGGTCATCACATGGAAGCCCTTCGGTGGATGGATTGGAATGCCCCAGATTCAGTACCGTGTACAGTGGCAGCACTGGGCAACAAGAGACCTGGAAGGAACAGACCGTGGAGCCCCCTTCCTGGTGGTGTCTAACACTTCCACATTTGTGCCTTATGAGATCAAAGTCCAGGCAGTGAACAACCAGGGGAAGGCCCTGAGCCCCAGGTACCATTGGCTATTTCAGGGGAAGACTACCCCAAGTGGCCCTGAGCTGGAAGACATACAATCTCAACTCAAGCACTGTCTGGTCAAGTGGAGCCCTGTGGACTTGGCCAGGTTAAGGGCCACCTCAGGGGATACAATGTAACGTACTGGTGAAGGGCAGTCAGAGAAAGCACAGCAAGAGGCATGTCCACAAAAGTACATGGTGGTACCTGCGAACACCACAGTCCATCCTCAGTGGTTTTGCGTCTTACAGCTCTTATCATGTAGAGGTACAGGCCTTAATGGGCGGGCTTAGGGCCTGCAAGTGAATGGACCTTAGCACCCAGAGGGAGTGCCTGGCCACCCTGAGGCATTACATCTGGAGTCCAGTCCGACACTAGCCTGTACTGCACTGGCAGCCACCCTCAGCCACAATGGAGTGTCTACTGGTACCTGCTCTTACCATCCCTGGATGGGAAAGCAAAGAGCAGTTGTTCTTCAACCTTTTCGGACCCAGAGCTCCGGACTCATAATCTCAACCACTCAACCTGATCTACAGTACCGCTTCCAGCTTTCAGGCCACCACCCATCAGGGTCCCTGGTGGGCCATTTGTGCGTGAAGGAGGCAGTATGGCCCTATTTGGCAAGCCAGATTTTGGCAACATTTTCAGTCACAGCAGGTGAAAACACAGTGTGGTCTCCTGGTCCCTCGGAGGGCCAGTGCATTTTCAGTTCCACATCCTGTTCAAAGCCTTGCCAGAAGGGAAAGTGAAGCCCTGATACCAGCCTCAGCCTCAATATGTGAGCTACAATCAGAGCTCTACACACAGTGGGACCTACAGCCTGACACCAATATGAGATCCACCTGATGAGGGAGAAGTCTCTTGACCCATCTGGCTGTGAAGACTAATGGCACTGGCCCCGTGCGAGTTTCTACTACAGGTAGCTTTGCCCCGAGGGCTGGTTCATCGCCTTTGTCACTGCTATCATTCTTGTCTCTCATCTGCTCATCTCTGCTTCATCAAACGCAGCAAGGGCGGCAATATTCAGTGAAGGACAAGGAGCACTCAGGTAGATTCGAGGCCGGCCCATGAAAGACGAGACCTTCGGCGAGTACAGTGAATGAAGAGAAGGCCTTCGGCAGCAGCCAGCCATCTCTCAATGGAGACATCAAACCCCTAGGCAGTATGACAGTCTGGTGTATTATGGGGCAGTGTGGATGTCCAGTTCAATGAGGATGGCTTTTCATCGGCAATACAGTGGCAAAAAGAGAAGGAGGCAGCGGGAGGCAATGACAGCTCAGGGCTACCTCTCTATCAATCCTGCAGTAGCCCTAGAA TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_017345

**Insert Size:**

3768 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:**

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\\_017345.1](#), [NP\\_059041.1](#)

**RefSeq Size:** 5093 bp

**RefSeq ORF:** 3768 bp

**Locus ID:** 50687

**UniProt ID:** [Q05695](#)

**Cytogenetics:** Xq37

**Gene Summary:** member of the Ig superfamily of cell adhesion molecules; involved in neuronal cell development; neural cell adhesion molecule expressed in brain; isoform L1cs is a likely alternative splice variant expressed in the peripheral nervous system [RGD, Oct 2007]