

Product datasheet for MC223938

Ch11 (NM_007697) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ch11 (NM_007697) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ch11
Synonyms:	A530023M13Rik; A1465420; CALL; LICAM2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223938 representing NM_007697 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAATTGCCATTATGTGGAAGAGGACTGATCCTAAGTCTAATTTTCTCCTGTTAAAATTGTCAG
CAGCTGAAATACCACTCTCCGTTCAACAGGTTCCAACAATTGTAAGCAGTCATACGTGCAGGTGGCCTT
TCCCTTCGATGAGTATTTCAAATTGAATGTGAAGCGAAAGGAAACCCTGAACCAATATTTTCATGGACT
AAGGACGATAAGCCTTTTCTGATCTTCTGATCCTCGGATAATTGCGGCTAACCAATTCAGGCACATTCAAGA
TCCCAAATGAGGGCCACATCTCTCACTTTCAAGGAAAATACCGCTGTTTCGCATCCAATAGACTAGGAAC
TGCAGTATCAGAAGAAATAGAGTTCATAGTACCAGGGGTCCAAAATCCCAAAAGAAAAAATTGAACCC
ATTGATGTAGAAGAAGGGGATTCCATTGTCTTACCCTGCAACCCTCCAAAAGGCCCTCCACCTTTGCACA
TCTATTGGATGAATATTGAGTTAGAACACATTGAACAAGATGAGAGAGTATACATGAGCCAAAGAGGAGA
TCTGTACTTTGCAAAATGTGGAAGAAAATGACAGTCGGAATGATTACTGTTGCTTCGCTGCATTTCCAAAA
TTAAGAACGATTGTACAGAAAATGCCAATGAAACTGACTGTGAACAGTTCAAATTCATCAAGCAAAGGA
AACCCAAACTTCTGTTGCCTCTGCCAAATGGGAAGTTTATCTGCAAAGACTGTACTCAAAGGGGATAC
ACTATTGCTCGAGTGTTTTGCGGAGGGCTACCAACTCCACATATCCAGTGGAGCAAACCCAGGTAGTGAA
TTACCAGAGGGAAGAGCAACAATTGAAGTTCATGAAAAGACATTGAAGATAGAAAACATCTCCTACCAGG
ATAGAGGAAATATCGCTGTACAGCCAACAATTTGTTGGGGAAAGCCAGTCATGATTTTCACGTCACAGT
AGAAGAGCCTCCACGCTGAAAAAGAAGCCTCAGAGTGCCGTGTACAGCACGGGGAGCAGTGGCATCTTG
TTGTGTGAAGCAGAAGGCGAACCTCAACCACAATCAAATGGAGACTCAATGGCTTGCCGATTGAAAAAC
ATCCATTTCTGGTGACTTTATGTTCCCAGGGAAATCAGTTTTACAACCTTACTGCCAAATCATACTGG
TGATATCAGTGTGAAGCCTCAAATATTCACGGAACCTTCTGGCCAATGCCAATATTGACGTTATAGAT
GTTATCCCACTGATAAAAATAAGAATGAAGAAAACACGCGACAGTGGTTGGCTACAGCGCTTTCTTAC
ACTGCGAGTACTTTGCTTCTCCCAAGGCCACCGTGGTCTGGGAAGTGGCTGATGAGACACATCCCTGGA
AGGTGATCGGTACCATACGCATGAAAACGGCACACTGGAGATCTACAGAACTACTGAGGAGGATGCGGGG
TCCTACTTGTGGGTAGACAATGCCATGGGAAAAGCCGTCATCACAGCGAACTTGGATATTAGAAATG



CTACAAAGCTCAGAGTTTCTCCTAAGAATCCTCGAATCCCTAAATCACATGTGCTTGAACATACTGCGA
AAGCCAGTGTGACTCACATTTGAAACACAGTTTGAAGTTGCTCCTGGAGTAAAGATGGAGAAGCTTTTGAG
ATGAATGGCACAGAAGATGGCAGAATAGTGATTGACGGAGCTTACCTGACCATATCTAACATCACAGCAG
AAGATCAGGGTGTCTTACTCCTGTCTGCTCAAACCTTCTTTGATAGTACTTCGGAAAAACTCAAGTAAC
CGTCCTTGGTGTCCAGATCCGCCAGGAAACCTTCACTTGTGAGAAAGACAAAACAGAAGTGTCCGGCTG
TCCTGGGAAGCAGGAGATGACCACAACAGCAAAATCAGCGAGTACATTGTAGAATTTGAAGGAACAGAG
AGGAGCTGGAAAGTGGGAGGAGCTAACTAGAGTCCAGGGAGAAGAAACAGATGTCGTGTTATCTTTGGC
TCCTTATGTGAGATATCAGTTTAGGGTCACAGCTGTAAACGAAGTCGGAAGAAGCCACGCCAGCCTGCCT
TCAGACCATCATGAAACTCCACCAGCAGCTCCAGACAAGAATCCCCAGAACATCAGAGTTCAAGCATCTC
AACCCAAGGAAATGATTATAAAATGGGAGCCTTTGAAATCCATGGAACAGAATGGGCCAGGACTGGAGTA
CAAAGTGAGCTGGAAGCCCCAGGGAGCCCCGAAGAGTGGGAAGAAGAAATAGTTACAAACCACACACTA
CGTGTGATGACACCTACTGTCTATGCTCCTTATGATGTCAAGGTCCAAGCCATCAATCAACTAGGCTCCA
GCCCTGACCTCAGCCAGTGACTCTATTAGGGGAAGACTATCCTAGTACAGCCCTGTGATCCAGCG
TGTGGATGTTATGAACAGTACATTAGTTAAAGTTACCTGGTCATCCATTCTAAGGAAACAGTACACGGA
CTTCTAAGAGGGTACCAGATAAATTGGTGGAAAACAAAAGCCTGTTGGATGGAAGGACACATCCCAAAG
AAGTAAACATTCTAAGGTTTTAGGACAGCGAACTCTGGAATGGTTCCTTCCCTAGACCCCTTTAGTGA
ATTTCACTTAACAGTCTTAGCCTATAACTCCAAAGGAGCTGGTCCAGAGAGCGAGCCTTATATATTTTCAG
ACACCAGAAGGAGTACCTGAACAACCAAGTTTTCTCAAGGTATCAAAGTTGATAAAGACTGCCACCT
TATCCTGGGGCCTTCTAAGAACTAAATGGAAATTTAACTGGTTATCTCTTACAATACCAGATAATAAA
TGACACCTACGAGCTTGGAGAGTTAAATGAAATCAACGTTACTACTCCATCTAAATCCAGCTGGCATCTC
TCCAACCTCAACTCAACAACAAAATACAAATCTACCTGAGGGCGTGACCTCAAGAGGCTGTGGAAGC
CAATAAGTGAAGAAGGTGCCACCCTAGGAGAAGGGAGTAAAGGTATCAGGAAGATAACAGAAGGAGTAAA
TGTTACCCAAAAGATTACCCCTGTAGAGTACTTGTGCCGGAGCGGAACATATTGTTCACTAATGACT
AAGAAATGGGGTGATAACGATAGCATTTTTCAAGATGTAATTGAGACAAGAGGGAGAGAATATGCTGGCT
TATATGATGACATCTCCACTCAAGGCTGGTTTATTGGACTGATGTGTGCAATTGCTCTTCTTACTGAT
ATTGTTAACTATTTGCTTTGTGAAGAGGAACAGAGGTGGAAGTATTAGTAAAAGAAAAGGAAGATTTA
CACCCAGATCCAGAAGTTCAGTCAGCAAAAGATGAAACTTTTGGTGAATACAGCGACAGTATGAAAAAC
CTCTCAAGGGAAGCCTTCGGTCCCTGAATAGGAACATGCAGCCCACAGAGTGTGACAGTTTAGTGGA
ATATGGAGAGGGAGACCAGTCCATTTCAACGAAGATGGATCGTTTATTGGCGCATACACTGGAGCTAAG
GAGAAGGGATCCGTTGAAAGCAATGGAAGTTCAACTGCCACCTTCCCACTCCGGGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_007697

Insert Size:

3630 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_007697.2](#), [NP_031723.2](#)

RefSeq Size: 7751 bp

RefSeq ORF: 3630 bp

Locus ID: 12661

UniProt ID: [P70232](#)

Cytogenetics: 6 E1

Gene Summary: Extracellular matrix and cell adhesion protein that plays a role in nervous system development and in synaptic plasticity. Both soluble and membranous forms promote neurite outgrowth of cerebellar and hippocampal neurons and suppress neuronal cell death. Plays a role in neuronal positioning of pyramidal neurons as well as in regulation of both the number of interneurons and the efficacy of GABAergic synapses. May play a role in regulating cell migration in nerve regeneration and cortical development. Potentiates integrin-dependent cell migration towards extracellular matrix proteins. Recruits ANK3 to the plasma membrane.[UniProtKB/Swiss-Prot Function]