

Product datasheet for **MC218969**

Gm21949 (NM_001113419) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm21949 (NM_001113419) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gm21949
Synonyms:	lqcj-schip1; Schip-1-iqcj; Schip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218969 representing NM_001113419
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGACTGGAAGAACTAAAGAGACTACAGAATCCTTTAGAACAAGTTGACGATGAAAAATATTTGCTTG
 AGAATCACCAGCTGGCCATGGATGTGGAGAATAACATTGAGAAGTATCCCCTCAGCTACAGCCCTTGGA
 ATCAAAGGTGAAAATCATCCAGCGAGCATGGCGAGAGTACTTGCAGAGGCAGGACCCCTGGAGAAGCGG
 AGCCCATCCCACCTTCTGTCTCTTCAGACAAGCTGAGCAGCTCTGTGAGCATGAACACCTTCTCCGACA
 GCAGCACACCCGATTACCGAGAGGATGGGATGGATCTAGGCAGTGACGCCGCGCAGCAGCAGCAGCCG
 CGCCAGCTCACAATCCAATCCACCAAAGTGACCCCTTGTCCGAGTGCAAAATCCTCATCGTCGCCGGGG
 GGTAGCTTGGACTTGGTGTCTGTCTGGAAGACTATGAAGAGCCCTTCCCGGTCTACCAGAAGAAGGTGA
 TTGATGAGTGGGCTCCGGAGGAGCAGGGAGGAGGAGGAAGAGGAGGACGATCGAGGGTATCGGGATGA
 CGGCTGTCCGGCCGGGAGCCGGGGGACGTGAGCGCCAGGATCGGCAGCAGCGGCAGCGGGAGCAGGAGC
 GCCGCCACCACATGCCGTCCCCGATGCCTAACGGCAACCTCCATCCGCAGGACCCCTCAAGACCTCAGGC
 ACAATGGCAACGTGGTGGTAGCTGGCCGGCCGAACGCCTCTCGGGTTCGCCGGCAGCCATCCAGAAGAC
 CCAGCCTCCAGGGAGCCGGCGCGGAGGCCGAAACCGGGCATCTGGGGGCCTCTGCCTTACGCCACCGGAC
 GGCGGGAGCGGGTCCCGAAGAACCCCTGCGCCCCAATGGACTGGGAGGCATTGGAAAAGCATCTGG
 CCGGGTGCAGTCCGGGAGCAGGAGGTGCGAAACCAGGGTCAGGCGAGGACCAACTCCACCTCTGCACA
 GAAGAATGAGAGAGTCTATCAGACAGAAGTTGGCACTCGGAAGCTTCTTTGACGATGGCCAGGAATC
 TATACCAGCTGCAGCAAAAGTGGGAAGCCAAGCCTTTCTGCAAGACTACAGAGCGGGATGAACCTCCAGA
 TATGCTTTGTCAATGACAGCGGCAGTGACAAGGACAGCGATGCAGATGACAGTAAGACGGAAACCGCTT
 GGACACGCCCTTGTCCCCATGAGCAAGCAGAGTTCTTCTATTTCGGATAGAGACACAACCTGAGGAGGAG
 TCTGAATCCCTGGATGACATGGACTTCTCACAAGGCAAAAAGAAGCTACAAGCTGAAGCCAAAATGGCTC
 TGGCCATGGCCAAAACCAATGGCCAAAATGCAAGTAGAAGTGGAAAAACAGAACAGGAAAAAGTCTCCCGT
 CGCTGATCTTCTCCACACATGCCTCACATAAGCGAATGTTTGTGAAAAGAAGCTTAAAGCCACCGAC
 CTGAGAGACATGACTATCGGGCAGCTACAAGTATCGTCAATGACCTCCACTCCCAGATTGAAAGTTTGA
 ATGAAGAGTTGGTCCAGCTGCTCCTTATTCGAGATGAGCTGCACACAGAACAAGTGCCATGCTGGTGA
 CATTGAAGACTTGACTAGACACGCTGAGAGTCAGCAGAAGCACATGGCTGAGAAAATGCCCGCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001113419

Insert Size: 1680 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_001113419.2](#), [NP_001106890.1](#)

RefSeq Size: 2397 bp

RefSeq ORF: 1680 bp

Locus ID: 100505386

UniProt ID: [A0A088MLT8](#)

Cytogenetics: 3

Gene Summary: This locus represents naturally occurring read-through transcription from the neighboring IQ motif containing J (Iqcj) and schwannomin interacting protein 1 (Schip1) genes. This locus produces a transcript that is composed of in-frame exons from each individual gene. The resulting fusion protein is thought to be a component of the multimolecular complexes of axon initial segments and nodes of Ranvier, and it may play a role in calcium-mediated responses. [provided by RefSeq, Oct 2010]