

## Product datasheet for **SC313909**

### **LG14 (NM\_139284) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LG14 (NM_139284) Human Untagged Clone
Tag:	Tag Free
Symbol:	LG14
Synonyms:	AMC1; AMCNMY; LGIL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC313909 representing NM\_139284.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGGGGCAGGCATTCTGCTGCTGCTGGCTGGCTGGGGCGGGGGTGGTGGTGGCCTGGAGACCCCA
AAGGGAAGTGTCCCCTGCGCTGCTCTAAAGACAGCGCCCTGTGTGAGGGCTCCCGGACCTG
CCCGTCAGCTTCTCCGACCTGCTGTACTCTCACTCGTCAGGACGGGAGTCACCCAGCTGAAGGCC
GGCAGCTTCTGAGAATTCGGTCTCTGCACCTGCTCCTTTCACCTCCAACCTCCTCTCCGTGATTGAG
GACGATGCATTTGCGGGCCTGTCCACCTGCAGTACCTTTCATCGAGGACAATGAGATTGGCTCCATC
TCTAAGAATGCCCTCAGAGGACTTCGCTCGCTTACACACCTAAGCCTGGCCAATAACCATCTGGAGACC
CTCCCCAGATTCTGTTCCGAGGCCTGGACACCCTTACTCATGTGGACCTCCGCGGGAACCCGTTCCAG
TGTGACTGCCGCTCCTGGCTCCTGCAGTGGATGCCACCGTGAATGCCAGCGTGGGGACCGGCC
TGTGCGGGCCCCCTCCCTGAGCCACATGCAGCTCCACCACCTCGACCCCAAGACTTTCAGTGCAGA
GCCATAGAGCTGTCTGGTTCCAGACGGTGGGGGAGTCGGCACTGAGCGTAGAGCCCTTCTCTACCAA
GGGGAGCCTCACATTGTGCTGGCACAGCCCTTCGCCGGCCGCTGCCTGATTCTCTCTGGGACTACAGC
CTGCAGCGCTTCCGGCCCGAGGAAGAGCTGCCCGCGCCTCCGTGGTGTCTGCAAGCCACTGGTGTG
GGCCCCGAGCCTTTCGTGCTGGCTGCCCGCCTGTGGGGGGCTCACAGCTGTGGGCCCGGCCAGTCCC
GGCCTGCGCCTGGCCCCAACGCAGACCTGGCCCCGCGGGGCTGCTGCGGCCCAATGACCCGAGCTC
CTGTGGCTGGAAGGGCAACCTGCTTTCGTGGTGGCCGATGCCTCCAAGGCGGGCAGCACCACGCTGCTG
TGCCGCGACGGGCCCGGCTTTTACCCGCACAGAGCCTGCACGCTGGCACCGGGACAGGACGCTGAG
GCCCTGGAGCTGGACGGCCGGCCCCACCTGCTGCTGGCCTCGGCTTCCAGCGGCCGCTGCTCTTCCAC
TGGACCGGTGGCCGCTTCGAGAGACGCACAGACATCCCCGAGGCGGAGGATGCTATGCCACAGCCAC
TTCCAGGCTGGTGGGGACGTGTTCTGTGCTCACACGCTACATTGGGGACTCCATGGTCATGCGCTGG
GACGGCTCCATGTTTCGTGCTGCTGCAGCAACTTCCCTCGCGCGGTGCCACGCTTCCAGCCACTGCTC
ATCGCCAGGGACCAGCTGGCCATCTAGGCAGCGACTTCGCTTTCAGCCAGGTCCTCCGCTTGAGCCT
GACAAGGGGCTCCTGGAGCCACTGCAGGAGCTGGGGCCTCCGGCCCTGGTGGCCCCCGTGCCTTTGCC
CACATCACTATGGCCGGCAGACGCTTCTCTTTGCTGCTGCTTAAAGGGCCCCACAGATCTACCAG
CATCACGAGATCGACCTCAGTGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_139284

**Insert Size:** 1614 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_139284.2](#)

**RefSeq Size:** 2906 bp

**RefSeq ORF:** 1614 bp

**Locus ID:** 163175

**UniProt ID:** [Q8N135](#)

**Cytogenetics:** 19q13.11

**Domains:** LRRCT, LRR, LRR\_TYP, EPTP

**MW:** 59.1 kDa

**Gene Summary:** Component of Schwann cell signaling pathway(s) that controls axon segregation and myelin formation (By similarity).[UniProtKB/Swiss-Prot Function]