

## Product datasheet for **MC217950**

### **Atl3 (NM\_146091) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atl3 (NM_146091) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atl3
Synonyms:	4633402C03Rik; 5730596K20Rik; AI465397; AW228836
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217950 representing NM\_146091  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGTCCCCTCAGCGAACTGCAGCGGTGGCATCGAGAGGAGCAGGTGATGCCATGGAAAAATGGAAAAAC  
 CTGGTCCAGTGCAGGTTGTTTTGGTTCATAAAGAACAACATTCCTTTGAGCTAGAAGAGAGAGCCTTGGC  
 CAGCGTCTCCTCCAAGACCATATCCGAGATCTTGATGTGGTGGTAGTATCAGTGGCTGGTCTTTTCGA  
 AAGGGTAAATCCTTCATTCTGGACTTTATGCTGCGATACTTATATTCTCAGAAGGAAGGTGGTCATTTCAG  
 ACTGGTTGGGTGACCCAGAAGAACTCTGACAGGATTTTCATGGCGAGGAGGCTCTGATCCAGAACTAC  
 TGGGATTCAGATTTGGAGTGAAGTTTTCACTGTGAAGAAGCCATGTGGAAAAAGGTTGCAGTTGTTCTG  
 ATGGATACCCAGGGGCCCTTGACAGCCAGTCACTGTGAAGGATTGTGCTACCATTTTTGCTCTAAGCA  
 CTATGACTAGTTCTGTTCCAGATTTACAATTTGTCCAGAATATTCAGGAAGATGATCTTCAGCAGCTACA  
 GCTCTTCACAGAATATGGCCGCTGGCAATGGATGAAATTTTCCAAAAACCTTTTCAGACTGATGTTT  
 TTGATTCGAGATTGGAGTTTCCCTTATGAATATAACTATGGACTGCAAGGAGGAATGGCATTTTTGGATA  
 AGCGTTTACATGTGAAGGAACATCAACATGAAGAAATTCAGAATGTGAGAAATCATATTCCTCATGTTT  
 CTCCGATGTCACCTGTTTTCTCTTACCACATCCAGGGCTCCAGGTGGCCACAAGCCCAACTTTGATGGG  
 AAATTGAAAGATATTGCTAGTGAATTCAAAGAGCAGTTACAGGCTCTAATACCATATGTACTAAATCCAT  
 CTAATTAATGGAGAAGGAGATCAATGGTTCAAAAGTCACTGCCGGGGATTGTTGGAATATTTAAGGC  
 ATATATTAATTTACCAAGGAGAAGATCTGCCTCACCGAAGTCCATGCTTCAGGCCACTGCTGAAGCC  
 AATAATTTGGCAGCTGCAGCCTCTGCCAAGATATTTATTACAACAACATGGAAGAGATTTGTGGGGGAG  
 AGAAACCTTATTTGTCTCCAGATATTTAGAAGAGAAGCACCTAGAATTCAAACAACCTTGCTCTGGACCA  
 CTTTAAGAAGATCAAAAAGATGGGTGGGAAGGATTTTCCGTTACCAGCAGGAACCTGGAGGAGGAA  
 ATCAAAGAAGTGTATGAGAACTTCTGCAAGCACACGGCAGCAAGAATGTCTTCAGCACCTTCCGAACCC  
 CTGCAGTTCTGTTACAGGCATAGCAGCATTGTACATAGCCTCGGGCTTACGGGCTTATTGGGCTTGA  
 GGTTGTGGCCAGCTGTTCAACTGTATGGTTGGACTGCTCTTAATAGCACTCCTTACCTGGGGGTACATC  
 AGATATTCGGGCAGTATCGTGAGCTGGGTGGAGCCATTGACTCCGGTGCAGCATATGTGTTAGAGCAGG  
 CTTCTTCGCATATTGGTAATTCTACTCAGGCTGCAGTAAGGGATGCCGTTGTTGGGAGACCACCTGCTGA  
 TAAAAATCTCAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_146091

**Insert Size:** 1626 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\\_146091.4](#), [NP\\_666203.3](#)

**RefSeq Size:** 6387 bp

**RefSeq ORF:** 1626 bp

**Locus ID:** 109168

**UniProt ID:** [Q91YH5](#)

**Cytogenetics:** 19 A

**Gene Summary:** GTPase tethering membranes through formation of trans-homooligomers and mediating homotypic fusion of endoplasmic reticulum membranes. Functions in endoplasmic reticulum tubular network biogenesis (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.