

## Product datasheet for **MC218982**

### **Atl1 (NM\_178628) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atl1 (NM_178628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atl1
Synonyms:	4930435M24Rik; AD-; Adfsp; FS; Fsp1; SP; Spg3; Spg3a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218982 representing NM\_178628  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTAAGAGCCGACGGACAGAAACAGTTGGGGTGGGTTTTTCAGAGAAGTCAAGTGACTGGAGCTCAG  
 AAGAGGAGGAGCCAGTGAGAAAGGCAGGCCTGTCCAGGTCCTCATCGTCAAGGACGACCATTCCTTTGA  
 GTTAGACGAGGCTGCGCTGAACCGCATCCTTCTGTCCCAGGCCGTGAGAGACAAGGAGGTGGTTGCTGTG  
 TCTGTTGCTGGAGCCTTTAGAAAAGGAAATCCTTCTGATGGACTTCATGTTGCGGTACATGTACAACC  
 AGGAATCTGTTGATTGGGTTGGAGATTACAATGAACCATTTGACTGGATTTTCATGGAGGGGTGGATCGGA  
 ACGAGAAACCACAGGAATCCAGATATGGAGTGAAGTTTTCTCATCAATAAGCTTGATGGTAAAAAGGTT  
 GCAGTGTACTGATGGATACTCAGGGAACCTTTGACAGTCAGTCAACTTTGAGAGATTCGCCACAGTAT  
 TTGCGCTTAGCACAATGATAAGCTCAATACAGGCTACAACCTGTCCCAGAATGTCCAGGAGGATGATCT  
 CCAGCACCTGCAGCTTTTCACTGAGTATGGCAGGTTGGCAATGGAAGAAACATTCCTGAAGCCTTTTCAG  
 AGTCTGATATTTCTTGTTCGAGACTGGAGTTTCCCATACGAATTTTCATATGGAGCTGATGGTGGCGCCA  
 AGTTCTTGAAAAACGCCTCAAGGTCTCAGGGAACCAGCATGAAGAGCTGCAGAACGTCAGGAAGCAT  
 CCACTCCTGCTTCACCAACATTTCTGCTTTCTCTACCTCATCTGGCTTAAAAGTCGCTACCAACCCA  
 AACTTTGATGGGAACTAAAAGAAATAGATGATGAATTCATCAAAAACCTGAAAACTGATTCCATGGC  
 TCCTGAGTCTGAGCGCTAGATATTAAGAGATCAATGGGAATAAAATCACCTGCCGAGGCCTGCTGGA  
 GTACTTCAAGGCATACATAAAGATATACCAAGTGAAGAATTGCCGCATCCCAAGTCCATGTTACAGGCC  
 ACAGCAGAAGCTAACAAATTTAGCAGCTGTTGCAACTGCCAAGGACACATAACAAGAAGATGGAAGAGG  
 TTTGTGGTGGTGATAAACCATTTTTGGCCCTAACGACCTGCAAAGCAAGCACCTGCAGTAAAAGAAGA  
 ATCTGTGAAGTTATTCGAGGCGTGAAGAAGATGGGCGGGGAAGAGTTCAGCCGGCGTTACCTGCAGCAG  
 CTGGAGAGTGAATAGATGAACTCTACATCCAGTATATTAAGCACAATGACAGCAAAAATATCTTCCATG  
 CTGCTCGAACCCAGCCACACTGTTGTTGTCATCTTTATCACATACGTGATTGCTGGTGTGACTGGATT  
 CATTGGTTTGGACATCATAGCTAGCCTGTGCAACATGATCATGGGACTGACGCTTATCACCTCTGCACC  
 TGGGCATATATCCGCTACTCTGGCGAATATCGAGAGCTGGGTGCTGTAATCGACCAGGTAGCTGCAGCTT  
 TGTGGGACCAGGGAAGCACAATGAGGCGTTATACAAGCTTTACAGTGCAGCAGCAACCCACAGACACCT  
 GTGTCACCAAGCTTCCCTGCACCCAAGTCAGAGCCTACTCAACAACCGAAAAGAAGAAATTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_178628
- Insert Size:** 1677 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\\_178628.5](#), [NP\\_848743.1](#)

**RefSeq Size:** 2818 bp

**RefSeq ORF:** 1677 bp

**Locus ID:** 73991

**UniProt ID:** [Q8BH66](#)

**Cytogenetics:** 12 C2

**Gene Summary:** This gene encodes a member of the dynamin family of GTPases. The encoded protein interacts with tubule-shaping proteins of the endoplasmic reticulum. Mutations in the homologous human gene can cause hereditary spastic paraplegia. [provided by RefSeq, Feb 2010]