

## Product datasheet for MC210036

### Atl2 (NM\_178050) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atl2 (NM_178050) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atl2
Synonyms:	2010110I21Rik; AA407293; Aip-2; Arl6ip2; AV334690
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210036 representing NM_178050 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATACCCAGGGTGCCTTTGATAGCCAGTCAACCATTAAAGACTGTGCGACAGTGTGGCTCTGAGCA  
CTATGACCAGCTCTGTGCAGGTATATAATTTGTCTCAGAATATTCAGAAGATGATCTTCAACATCTACA  
GTTATTTACAGAGTATGGAAGACTTGAATGGAAGAGATCTACCAGAAGCCATTTAGACGCTAATGTTT  
TTGATTCGAGATTGGAGTTATCCTTATGAGCACTCATATGGCTTGAAGGTGGGAAGCAGTTCCTTGAGA  
AGAGATTACAGGTGAAGCAGAACCAGCAGGAGCTGCAGAACGTCAGGAAGCACATCCACAACCTGCTT  
CTCAAACCTGGGCTGCTTCTCCTCCCGCACCCCGGCCTCAAAGTCGCCACCAACCCTAGCTTTGATGGA  
CGACTGAAAGATATCGATGAAGACTTTAAACGGGAGCTTCGAAATCTGGTTCCATTGCTGCTTGCTCCTG  
AAAATCTTGTGGAAAGAGATAAGTGGATCGAAAGTCACTTGTAGAGATCTTGTAGAGTATTTAAGGC  
ATACATTAATAATATCAAGGAGAGGAACCTACCACACCAAAAGTCTATGCTTCAGGCAACAGCTGAGGCT  
AATAACCTGGCAGCAGTAGCAGGAGCAAGAGATGTCTATTGTAAGATGAGCAGGTATGCGGTGGTG  
ATAAGCCGTACATTGCACCTTCAGATTTGGAGCGAAAACCTGGATCTCAAGGAAGTGGCGCTCAAACA  
GTTTCGTTCTGTGAAAAAATGGGTGGAGATGAATTCGCCGCCGTTATCAGGACCAGCTGAAGCTGAA  
ATCGAAGAAACCTATGCAAATTTATAAAGCACAAATGATGGCAAAAATATCTTCTATGCTGCTCGCACCC  
TGCCACACTGTTTGCAGTCATGTTTGGCTATGTATATCATCTCAGGACTGACTGGCTTCATTGGCCATAA  
CTCTATAGCTGTCTTATGCAACCTCGTCTATGGGCTAGCACTGACGTCCCTTTGACTTGGGCATATGTT  
AAGTACTCTGGGAGTTCAGAGAAATCGGAACAATGATTGATCAGATTGCTGAAACACTGTGGGAACAGG  
TATTGAAGCCCCTGGGTGATAATTTGATGGAGGAAAACATAAGGCAGTCTGTAACAACTCTATCAAAGC  
AGGCTGACTGACCAGGTGTCTCATCATGCCCGATTAAGACAGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_178050
<b>Insert Size:</b>	1239 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178050.4</a> , <a href="#">NP_835151.2</a>
<b>RefSeq Size:</b>	3394 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	56298
<b>UniProt ID:</b>	<a href="#">Q6PA06</a>
<b>Cytogenetics:</b>	17 E3
<b>Gene Summary:</b>	<p>GTPase tethering membranes through formation of trans-homooligomers and mediating homotypic fusion of endoplasmic reticulum membranes. Functions in endoplasmic reticulum tubular network biogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an internal exon in the 5' region, which results in translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 2) has a shorter N-terminus, compared to isoform 1.</p>