

Product datasheet for **MR209125**

Atl2 (NM_178050) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atl2 (NM_178050) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atl2
Synonyms:	2010110I21Rik; AA407293; Aip-2; Arl6ip2; AV334690
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

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>MR209125 representing NM_178050
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGAGGGGGACGAGGCAGCGCAGGCGAGCAGCCGACAGGGGCTGAGCGCCGGCGACAGACCA
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Protein Sequence:

>MR209125 representing NM_178050
Red=Cloning site Green=Tags(s)

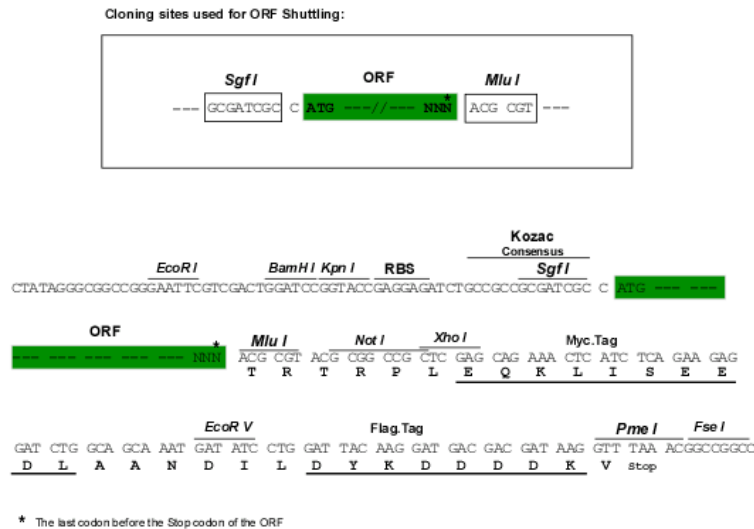
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TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_178050

ORF Size: 1749 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size: 3371 bp

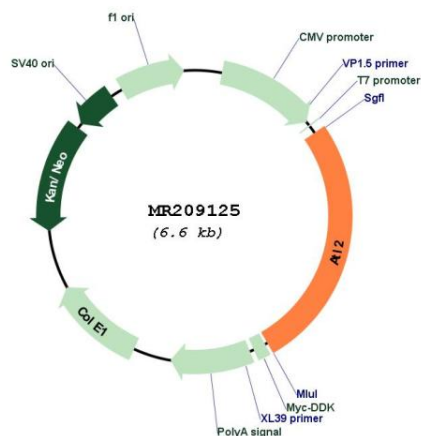
RefSeq ORF: 1239 bp

Locus ID: 56298

UniProt ID: [Q6PA06](#)

Cytogenetics:	17 E3
MW:	47.3 kDa
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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209125