

Product datasheet for **RN202781**

Atl3 (NM_001044241) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atl3 (NM_001044241) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atl3
Synonyms:	RGD1309871
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202781 representing NM_001044241
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCCGAGATTCCAGTACGCAGTCACAGGTGATGCCATGGAGAATGGAAAACCTGGTCCAGTGCAGG
 TCGTTTTGGTTTCATAAAGAGCAGCACTCCTTTGAGCTAGAAGAGAGAGCCTTGGCCAGCGTCTCTCCA
 AGACCATATCCGAGATCTTGATGTAGTGGTAGTATCAGTGGCTGGTGCTTTTCGAAAGGGCAAATCCTTC
 ATTCTGGACTTTATGCTGCGATACTTATATTCTCAGAAGGAACATGGTCATTCAAATTTGGTTGGGTGACC
 CAGAAGAACCAGTACAGGATTTTCATGGCGGGAGGCTCTGACCAGAACTACTGGGATTCAGATTTG
 GAGTGAAGTTTCACTGTGAAGAAGCCATGTGGGAAAGAGTTGCAGTTGTTCTGATGGATACCCAGGGG
 GCCTTTGACAGCCAGTCAACTGTGAAAGATTGTGCTACCATTTTTGCTCTAAGCACTATGACTAGTTCTG
 TTCAGATTTACAATTTGCCAGAATATTCAGGAAGATGATCTTCAGCAGCTACAGCTCTTCACAGAATA
 TGCCCGTCTGGCAATGGATGAAATTTCCAGAACTTTCCAGACATTAATGTTTTTGGTTCGAGACTGG
 AGTTTTCTTATGAATATAACTATGGACTGCAAGGAGGAATGTCGTTTTTGGATAAGCGTTTACAGGTGA
 AGGAACATCAACATGAAGAAATTCAGAACGTTCCGAAATCATATCACTCATGTTTCTCGGATGTCACCTG
 TTTTCTTACCACATCCAGGGCTCCAGGTGGCCACAAGCCCTGACTTTGATGGGAAATGAAAGATATT
 GCTAGTGAATTCAAAGAGCAGCTACAGACTCTAATACCATATGTACTAAACCCATCTAAGTTAATGGAGA
 AGGAGATCAATGGTTCAAAGTACCTGCCGGGACTCTTGAATATTTAAGGCATATATTAATAATTTA
 CCAAGGAGAAGATCTGCCTACCCGAAATCCATGCTTCAGGCCACTGTGAAGCCAACAACCTGGCAGCC
 GCAGCCTCTGCCAAAGACATTTACTACAGCAGCATGGAGGAGATTTGTGGGGGAGAGAAACCTTATTTGT
 CTCCAGACATTTTAGAAGAAAAGCACCAAGAATTCAAACAACCTTGCTCTGGACCCTTTAAGAAGACCAA
 AAAGATGGGTGGGAAGGATTTTAGCTCCGTTACCAGCAGGAGCTAGAGGAGGAAATCACAGAACTGTAT
 GAGAACTTCTGCAACACAATGGTAGCAAGAACGTCTTCAGCACCTTCCGAACCCCTGCAGTTCTGTTC
 CAGGCATAGCTGTGTTGTACATAGCCTCGGGCTTAACCGGCTTCATCGGGCTTGAGGTTGTGGCTCAGCT
 GTTCAACTGTATGGTTGGACTGCTGTTGATAGCACTCCTTACCTGGGGTACATCAGATACTCCGGGCGAG
 TATCTTGAGCTGGGTGGAGCTATTGACTCTGGTGCAGCGTATGTGTTAGAGCAGGCTTCTCTCACATTG
 GTAATTCTACTCAGGCTGCCGTAAGAGATGCCATCGCTGGGAGACCACCTGCTGATAAAAAATCTCAATA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001044241

Insert Size: 1611 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_001044241.1](#), [NP_001037706.1](#)

RefSeq Size: 2050 bp

RefSeq ORF: 1611 bp

Locus ID: 309187

UniProt ID: [Q0ZHH6](#)

Cytogenetics: 1q43

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]