

Product datasheet for **RN216760**

Atg13 (NM_001271212) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atg13 (NM_001271212) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atg13
Synonyms:	Harbi1; Harbi1l; RGD1310685
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216760 representing NM_001271212
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACCTGATCTCAGTCCAGGACAGAAAGGACCTGGACAAGTTTATTAAGTTTTTGGCCCTCAAGA
 CTGTCCAAGTATTGTCCAGGCTCGACTTGGAGAAAAGATTTGCACCCGTTTCATCATCTTCCCGACGGG
 TTCAGATTGGTTCAATTTAGCAATCAAAGATATCCAGAAGTACCCATGAAGCAAAGAAGGCCCTGTCT
 GGGCAGCTGCCTGCTGTGGGGCGATCTATGTGTGTGGAGATCTCACTCAAGACTTCTGAGGGAGATTCCA
 TGGAGTTGGAAATTTGGTGTCTTGAAATGAATGAAAAGTGTGACAAAGAAATCAAAGTTTCTACTACTGT
 ATACAACCGATTGCTACTGCTGCTGAAGTCTCCTTGTATTACGAGGGTGACACCAGCCTATAGACTC
 TCCAGGAAGCAAGGCATGAATATGTAATTTTGTACAGGATTTATTTGGAGAAGTTCAACTGAATGGCT
 TAGGAGAAGGCTTCCAGACAGTTCGTGTTGGAACAGTGGGCACCCCGTGGGTACCCTACTCTTTCCTG
 TGCTTATAGAATTAACCTGGCGTTCATGTCCACCAGGCAATTTGAGAGGACCCACCTATCATGGGGATT
 ATCATTGATCACTTTGTTGACCGTCCCTATCCAGCTCCTCTCCTATGCACCCCTTGAATTACAGAACTG
 CTGAGGATGCTGGAGTCGCATACCCATCAGTGGAAAGACTCTCAGGAAGTGTGTACCACATCTTTTCCAC
 ATCCCCTCCCTCCAGCTGATGGTTCCTGGGAAGGAAGTGGGGTGCCTCTTGCTCCCAACCACCCTGCT
 CATGGTCCCAGGCTGATCAGGAGAGACTGGTGGTGCACATGCCTTCTGATGGAACCCACTGTGCAGCCA
 CACCCTCCAGCAGTGAGGACACTGAGACTGTATCTAACAGCAGTGAAGGACGGGCCTCACCCATGACAT
 CCTGGAACACTATCTTTGTCGAAAAGTGGGAGCATTGTCAACAAACCCATCAATCAGGTGACACTGACG
 AGTTTGGACATACCCTTTGCCATGTTTGTCTCCCAAGAAATTTGGAGCTGGAGGATGCTGATCCTATGGTGA
 ACCCTCCAGACTCCCAGAGACCAGTCTCCCTCCATGGCAGTCTGCACTCAGAGGGCTCCAGCGGGGG
 CAGCAGTGGCAATGCACATGATGACTTTTGTATGACTTTAAACCAGCTTTTTCTAAAGACGACATT
 CTTCCAATGGACTTGGGGACCTTTTACCGTGAATTTTCAAGATCCCTCAGCTGAGCAGCCTCTCCATAG
 ATTTTGGAGCTCAGTCTATGGCAGAAGACTTGGACTCCTTACCAGAGAAGCTGGCTGTGCATGAGAAGAA
 TGTCCGAGAATTTGATGCCTTCGTGAAACCCTGCAGTAA

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271212
- Insert Size:** 1440 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271212.1](#), [NP_001258141.1](#)

RefSeq Size: 2442 bp

RefSeq ORF: 1440 bp

Locus ID: 362164

Cytogenetics: 3q24