

Product datasheet for **RN210364**

Atf2 (NM_031018) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atf2 (NM_031018) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210364 representing NM_031018
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGTGACAAACCCCTTTCTATGCACTGCCCTGGGTGTGGCCAGCGTTTTACCAACGAGGATCATT
 TGGCTGTCCATAAACATAAACATGAGATGACACTGAAATTTGGTCCAGCACGTAATGACAGTGCTATTGT
 GGCTGATCAGACTCCAACACCAACAAGTTCTAAAAAAGTGTGAAGAAGTGGGTTTGTAAATGAGTTG
 GCAAGTCCATTCGAGAATGAATCAAGAAGGCTTCAGAAGATGACATAAAAAAATGCCTCTAGATCTGT
 CCCCTCTTGCAACACCCATCATAAGAAGCAAAATGAGGAACCTTCTGTTGTAGAAACAACCTACCAGGA
 TAGCCCGTTACCTACCCCGAGTCTACTACCAATGATGAAAAGGAAATACCATTGGCACAAACTGCACAG
 CCCACATCAGCTATCGTTCGTCAGCATCATTACAGGTTCCCAATGTGCTGCTCACAAAGTTCTGACTCAA
 GTGTAATTATTCAACAAGCAGTACCTTCACCAACCTCAAGTACTGTAATCACCCAGGCACCATCCTCTAA
 CAGGCCAATTGTTCTGTACCAGGCCATTTCTCTTCTATTACATCTTCTTAATGGACAAACCATGCC
 GTTGCTATTCTGCATCAATTACAAGTTCTAATGTGCATGTTCCAGCTGCAGTCCCACTTGTTCGGCCAG
 TCACCATGGTGCCTAGTGTTCAGGAATCCCAGGCCCTTCTCTCTCAACCCGGTCCAGTCAGAAGCAAA
 AATGAGATTAAGAGTGTCTTGACCCAGCAACACCCTCCAGTTACCAATGGTGATACTGTAAAAGGCCAC
 GGCAGTGGATTGGTTAGGGCCAGTCAGAAGAGTCTCGTCCACAGTCTTGCAGCAGCCAGCCACGTCCA
 CTACAGAGACTCCGGCTCTCCAGCTCACACAACCTCCACAGACCCAAAATACAAGTGGCCGTGGAAGAAG
 AGCAGCTAATGAAGATCCTGATGAGAAAAGGAGGAAGTTCTAGAACGAAATAGAGCAGCAGCTTCAAGA
 TGCCGTCAAAAAGGAAAGTATGGGTTTCAGTCTTAGAGAAGAAAGCAGAAGACTTGAGCTCACTAAATG
 GCCAGCTGCAGAGCGAAGTACCCTGCTGAGAAATGAAGTGGCACAGCTGAAACAGCTTCTCTGGCTCA
 TAAAGATTGCCCTGTAACCGCCATGCAGAAGAAGTCTGGCTATCATACTGCTGATAAAGATGACAGCTCA
 GAAGACCTTTCCGTGCCAAGCAGCCACATACAGAAGCGATCCAGCACAGCTCTGTCAGTACGTCCAATG
 GAGTCAAGTCAACATCAAAAACAGAAGCTGGAGCCACTTCAGTTCTCACCCAGATGGCGGACCAGAGCAC
 CGAGCCTGCATTTACAGATTGTCATGGCTCCTTCTCCAGGCACAGCCCTCAGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031018
- Insert Size:** 1464 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_031018.1, NP_112280.1](#)
RefSeq Size: 1852 bp
RefSeq ORF: 1464 bp
Locus ID: 81647
UniProt ID: [Q00969](#)
Cytogenetics: 3q23
Gene Summary: transactivates tyrosine hydroxylase transcription; may be involved in regulation of catecholamine synthesis during neural development [RGD, Feb 2006]