

## Product datasheet for **RN207657**

### Atf4 (NM\_024403) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atf4 (NM_024403) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atf4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207657 representing NM_024403 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGAGATGAGCTTCTGAACAGCGAAGTGTGGCGGGGACTTAATGTCCCCCTTCGACCAGTCGG  
GTTTGGGGCTGAAGAAAGCCTAGGTCTCTTAGATGACTATCTGGAGGTGGCCAAGCACTCAAACCTCA  
TGGGTTCTCCAGCGACAAGCGGGCTCCTCAGAATGGCTGGCTATGGATGGGTTGGTCAGTGCCTCAGAC  
ACCGGCAAGGAGGATGCCTTTCCGGGACAGATTGGATGTTGGAGAAAATGGACCTGAAAGAGTTTGACT  
TCGATGCTCTGTTTGAATGGATGACCTGGAAACCATGCCAGATGAGCTTTGGCCACGTTGGATGACAC  
ATGTGATCTTTTTGCCCTCTAGTCCAAGAGACTAATAAGGAGCCCCCTCAGACAGTGAACCAATTGGC  
CATCTCCAGAAAGTGAATAAAAGTCGACCAGGCTGCCCTTTACATTCTTGCAGCCTCTTCCCTGTT  
CCCCAGGTTTCTGTCTTCCACTCCAGATCATTCTTTAGTTTAGAGCTGGGAAGTGAGGTTGATATCTC  
TGAAGGAGATAGGAAGCCTGACTCTGCTGCTTATATTACTTAACCCCTCAGTGTGTAAGGAGGAAGAC  
ACTCCCTCTGATAGTGACAGTGGCATCTGTATGAGCCCTGAGTCCTACCTGGGCTCTCCCAACACAGCC  
CTTCCACCTCCAGGGCCCCACCAGACAGTCTGCCTTCTCCAGGTGTTCTCGTGGTTCTCGACCCAAACC  
TTATGACCACCTGGAGTTAGTGTGACAGCTAAAGTGAAGACTGAAAAGTTGGATAAGAAGCTGAAAAG  
ATGGAGCAAAACAAGACAGCAGCTACTAGTACCGCCAGAAGAAGAGGGCTGAGCAGGAAGCCCTCACTG  
GCGAGTGTAAAGAGCTAGAAAAGAAGACGAGGCTCTGAAAGAGAAGGCAGATTCTCGCCAAAGAGAT  
TCAGTATCTAAAAGACCTGATAGAAGAGGTCCTAAGGCAAGGGGGAAGAAGAGAGTTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_024403
Insert Size:	1044 bp



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<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_024403.2</a> , <a href="#">NP_077379.1</a>
<b>RefSeq Size:</b>	1410 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	79255
<b>UniProt ID:</b>	<a href="#">Q9ES19</a>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	binds GABA(B) receptors; may play a role in regulation of activity dependent gene expression [RGD, Feb 2006]