

## Product datasheet for RN206616

### Nf1 (NM\_012609) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nf1 (NM_012609) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206616 representing NM_012609 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGCCGCACACAGGCCGGTGGAAATGGGTCCAGGCCGTGGTCAGCCGCTTCGACGAGCAGCTTCCAATAA  
AAACAGGACAGCAGAACACACATACCAAAGTCAGCACGGAGCACAACAAGGAGTGTCTGATCAACATTTT  
CAAGTACAAGTTTTCTTTGGTCACTCAGTGGACTCACCACCATTCTAAAGAATGTTAAACAATATGAGGATA  
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TTGCTGGGCAACCAAAGGACACAATGAGATTAGATGAAACAATGCTGGTCAAACAGTTGCTACCAGAAAT  
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TGGAATCCTGATGCTCCTGTAGAAACGTTTTGGGAAATTAGTTCACAAATGCTTTTTACATCTGCAAGA  
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 CCGAGCCAGGAAATCCATGAGCTTGGACATGGGACAGCCTTCTCAGGCCAACACAAAAAATTTGCTTGG  
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 CTGCCAACCTTAACTCTCTAATTTCTATGACCTCACTTGAACCTTCCAGCATTCCCAAGGAAATCGACAA  
 GGAGAAGCTTGAAGTCTCCCCACCACTGGCCACTGTAACAGTGGACGGACTCGCCATGGATCCGCAAGC  
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ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM\_012609

<b>Insert Size:</b>	8463 bp
<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>	<u><a href="#">NM_012609.1</a></u> , <u><a href="#">NP_036741.1</a></u>
<b>RefSeq Size:</b>	9132 bp
<b>RefSeq ORF:</b>	8463 bp
<b>Locus ID:</b>	24592
<b>UniProt ID:</b>	<u><a href="#">P97526</a></u>
<b>Cytogenetics:</b>	10q25
<b>Gene Summary:</b>	mutations in gene are associated with neurofibromatosis type 1 [RGD, Feb 2006]