

## Product datasheet for **MC226879**

### **Nfyc (NM\_001277095) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nfyc (NM\_001277095) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nfyc  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226879 representing NM\_001277095  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCACAGAAGGAGGGTTTGGCGGTACCAGCAGCAGTGTATGCCAGCAAAGCCTCCAGTCTTCTGGC  
 CCAGAGTCATGGAAGAAATCCGAACTTAACAGTGAAAGATTTCCGAGTACAGGAACTCCCACTGGCTCG  
 TATTAAGAAGATTATGAACTGGATGAAGATGTGAAGAGGAATGATATTGCCATGGCAATTACAAAATTT  
 GATCAGTTTCGACTTTCTCATCGATATTGTTCCAAGAGATGAACTGAAACCTCCAAAGCGCCAGGAGGAGG  
 TACGCCAGTCTGTGACTCCTGCGGAGCCTGTCCAGTACTACTTACGCTGGCTCAGCAGCCCACTGCTGT  
 CCAGGTCCAGGGACAGCAGCAAGGCCAGCAGACCACAGTTCTACGACCACCATCCAGCCTGGACAGATC  
 ATCATTGCACAGCCTCAGCAGGGTCAGACCACACCCGTGACCATGCAGGTTGGAGAAGGTCAGCAGGTGC  
 AGATTGTACAGGCCAACCTCAGGGTCAGGCCAGCAGACCAGAGTGGCACTGGACAGACCATGCAGGT  
 GATGCAGCAGATCATTACCAACACAGGAGAGATCCAGCAGATCCCGGTGCAGCTGAATGCTGGCCAGCTG  
 CAATATATCCGATTAGCCCAGCCTGTATCAGGCACCCAAGTTGTCCAAGGACAGATCCAGACACTTGCTA  
 CCAATGCCAACAGATCACACAGACAGAGTCCAGCAAGGACAGCAGAGTTAGCCAGTTCACAGATGG  
 ACAGCAGCTGTACCAGATCCAGCAAGTCACCATGCCTGCAGGCCAAGACCTCGCCAGCCCATGTTTATT  
 CAGTCAGCCAATCAGCCCTCTGATGGGCAGACCCCCAGGTGACTGGAGACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001277095  
**Insert Size:** 894 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001277095.1</a></u> , <u><a href="#">NP_001264024.1</a></u>
<b>RefSeq Size:</b>	1876 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	18046
<b>UniProt ID:</b>	<u><a href="#">P70353</a></u>
<b>Cytogenetics:</b>	4 56.52 cM
<b>Gene Summary:</b>	<p>Component of the sequence-specific heterotrimeric transcription factor (NF-Y) which specifically recognizes a 5'-CCAAT-3' box motif found in the promoters of its target genes. NF-Y can function as both an activator and a repressor, depending on its interacting cofactors. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>