

Product datasheet for **MR229311**

Nfyc (NM_008692) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfyc (NM_008692) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nfyc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229311 representing NM_008692
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACAGAAGGAGGGTTTGGCGGTACCAGCAGCAGTGATGCCAGCAAAGCCTCCAGTCCTTCTGGC
CCAGAGTCATGGAAGAAATCCGAACTTAACAGTGAAAGATTTCCGAGTACAGGAACTCCCACTGGCTCG
TATTAAGAAGATTATGAAACTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCCCCTGTGCTGTTTGT
AAGGCAGCCCAGATTTTTATCACTGAGCTGACCCTTCGAGCCTGGATCCACACAGAGGATAACAAGCGTC
GTACTCTTCAGAGGAATGATATTGCCATGGCAATTACAAAATTTGATCAGTTCGACTTTTCATCGATAT
TGTTCCAAGAGATGAACTGAAACCTCCAAGCGCCAGGAGGAGGTACGCCAGTCTGTGACTCCTGCGGAG
CCTGTCCAGTACTACTTCACGCTGGCTCAGCAGCCCACTGCTGTCCAGGTCCAGGACAGCAGCAAGGCC
AGCAGACCACCGATTCTACGACCACCATCCAGCTTGGACAGATCATCATTGCACAGCCTCAGCAGGGTCA
GACCACACCCGTGACCATGCAGTTGGAGAAGGTGAGCAGGTGCAGATTGTACAGGCCAACCTCAGGGT
CAGGCCCAGCAGACCCAGAGTGGCACTGGACAGACCATGCAGGTGATGCAGCAGATCATTACCAACACAG
GAGAGATCCAGCAGATCCCGGTGCAGCTGAATGCTGGCCAGCTGCAATATATCCGATTAGCCAGCCTGT
ATCAGGCACCCAAGTTGTCCAAGGACAGATCCAGACACTTGCTACCAATGCCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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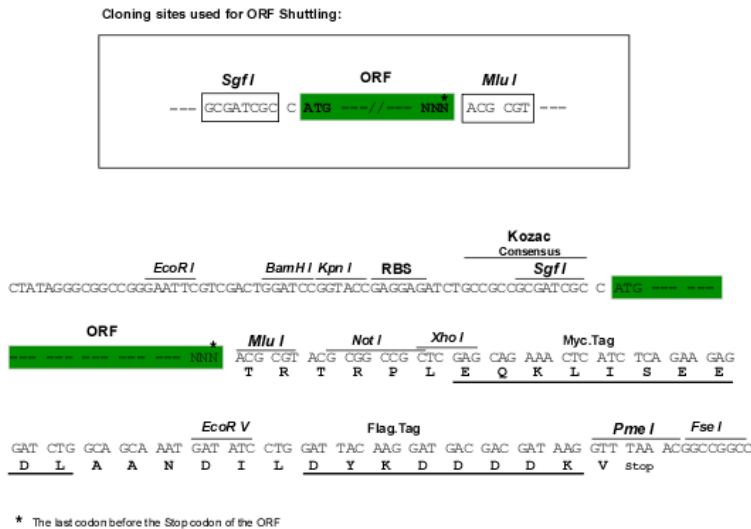
Protein Sequence: >MR229311 representing NM_008692
Red=Cloning site Green=Tags(s)

MSTEGFGGTTSSSDAQQLSQSFWRVMEIERNLTVKDFRVQELPLARIKKIMKLEDDVKMISAEAPVLF
 KAAQIFITELTLRAWIHTEDNKRRTLQRNDIAMAITKFDQDFLDIDIVPRDELKPPKRQEEVRSVTPAE
 PVQYYFTLAQQPTAVQVQGGQQGQTTSSSTTTIQLGQIIIAQPQQGQTPVTMQVGEQQVQIVQAQPG
 QAQQTQSGTGQTMQVMQIITNTGEIQQIPVQLNAGQLQYIRLAQPVSGTQVVQGGIQTLLATNAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008692

ORF Size: 825 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_008692.1](#), [NM_008692.2](#), [NM_008692.3](#), [NM_008692.4](#), [NP_032718.2](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1008 bp

Locus ID: 18046

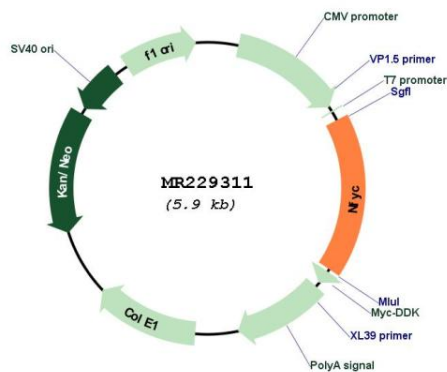
UniProt ID: [P70353](#)

Cytogenetics: 4 56.52 cM

MW: 30.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR229311