

Product datasheet for **MR229090**

Nfyc (NM_001277095) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfyc (NM_001277095) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nfyc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229090 representing NM_001277095
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACAGAAGGAGGGTTTGGCGGTACCAGCAGCAGTGTATGCCAGCAAAGCCTCCAGTCTTCTGGC
CCAGAGTCATGGAAGAAATCCGAACTTAACAGTGAAAGATTTCCGAGTACAGGAACTCCCACTGGCTCG
TATTAAGAAGATTATGAACTGGATGAAGATGTGAAGAGGAATGATATTGCCATGGCAATTACAAAATTT
GATCAGTTTCGACTTTCTCATCGATATTGTTCCAAGAGATGAACTGAAACCTCCAAAGCGCCAGGAGGAGG
TACGCCAGTCTGTGACTCCTGCGGAGCCTGTCCAGTACTACTCACGCTGGCTCAGCAGCCCACTGCTGT
CCAGGTCCAGGGACAGCAGCAAGGCCAGCAGACCACAGTTCTACGACCACCATCCAGCCTGGACAGATC
ATCATTGCACAGCCTCAGCAGGGTCAGACCACACCCGTGACCATGCAGGTTGGAGAAGGTCAGCAGGTGC
AGATTGTACAGGCCAACCTCAGGGTCAGGCCAGCAGACCAGAGTGGCACTGGACAGACCATGCAGGT
GATGCAGCAGATCATTACCAACACAGGAGAGATCCAGCAGATCCCGGTGCAGCTGAATGCTGGCCAGCTG
CAATATATCCGATTAGCCCAGCCTGTATCAGGCACCCAAGTTGTCCAAGGACAGATCCAGACACTTGCTA
CCAATGCCAACAGATCACACAGACAGAGTCCAGCAAGGACAGCAGAGTTAGCCAGTTCACAGATGG
ACAGCAGCTGTACCAGATCCAGCAAGTCACCATGCCTGCAGGCCAAGACCTCGCCCAGCCATGTTTATT
CAGTCAGCCAATCAGCCCTCTGATGGGCAGACCCCAAGTGTACTGGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229090 representing NM_001277095
 Red=Cloning site Green=Tags(s)

MSTEGGFGGTSSSDAQQSLQSFWRVMEIERNLTVKDFRVQELPLARIKKIMKLEDEVKRNDIAMAITKF
 DQFDLIDIVPRDELKPPKRQEEVRSVTPAEPVQYFFTLAQPTAVQVQGGQQQTSSSTTTIQPGQI
 IIAQPQQGQTPVMTQVGEQQVQIVQAQPGQAQQTQSGTGQTMQVMQQIITNTGEIQQIPVQLNAGQL
 QYIRLAQPVSGTQVVQGIQTLATNAQQITQTEVQQGQQQFSQFTDGGQLYQIQQVTMPAGQDLAQPMFI
 QSANQPSDGGTPQVTGD

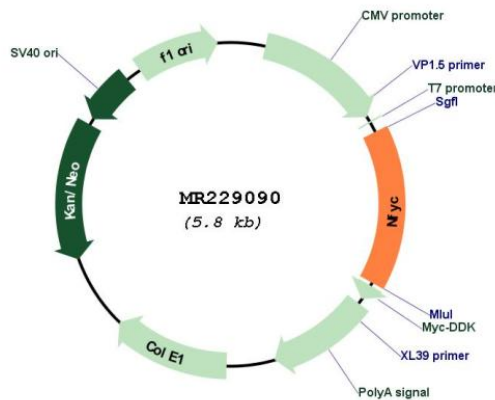
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277095

ORF Size:	891 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:	<ol style="list-style-type: none">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_001277095.1 , NP_001264024.1
RefSeq Size:	1876 bp
RefSeq ORF:	894 bp
Locus ID:	18046
UniProt ID:	P70353
Cytogenetics:	4 56.52 cM
MW:	33.3 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]