

Product datasheet for MR203685

Nfyc (NM_001048168) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nfyc (NM_001048168) 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: >MR203685 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACAGAAGGAGGGTTTGGCGGTACCAGCAGCAGTGTGCCAGCAAAGCCTCCAGTCCTTCTGGC
 CCAGAGTCATGGAAGAAATCCGAACTTAACAGTGAAAGATTTCCGAGTACAGGAACTCCCACTGGCTCG
 TATTAAGAAGATTATGAAACTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCCCCTGTGCTGTTTGT
 AAGGCAGCCCAGATTTTTATCACTGAGCTGACCCTTCGAGCCTGGATCCACACAGAGGATAACAAGCGTC
 GTACTCTTCAGAGGAATGATATTGCCATGGCAATTACAAAATTTGATCAGTTCGACTTTCTCATCGATAT
 TGTTCGAAGAGATGAACTGAAACCTCCAAGCGCCAGGAGGAGGTACGCCAGTCTGTGACTCCTGCGGAG
 CCTGTCCAGTACTACTTACGCTGGCTCAGCAGCCCACTGCTGTCCAGGTCCAGGACAGCAGCAAGGCC
 AGCAGACCACCAGTTCTACGACCACCATCCAGCTTGGACAGATCATCATTGCACAGCCTCAGCAGGGTCA
 GACCACACCCGTGACCATGCAGTTGGAGAAGGTGAGCAGGTGCAGATTGTACAGGCCAACCTCAGGGT
 CAGGCCCAGCAGACCCAGAGTGGCACTGGACAGACCATGCAGGTGATGCAGCAGATCATTACCAACACAG
 GAGAGATCCAGCAGATCCCGGTGCAGTGAATGCTGGCCAGCTGCAATATATCCGATTAGCCAGCCTGT
 ATCAGGCCACCAAGTTGTCCAAGGACAGATCCAGACACTTGTACCAATGCCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203685 protein sequence
Red=Cloning site Green=Tags(s)

MSTEGFGGGTSSSDAQQSLQSFWRVMEIERNLTVKDFRVQELPLARIKKIMKLEDDVKMISAEAPVLF
 KAAQIFITELTLRAWIHTEDNKRRTLQRNDIAMAITKFDQDFLDIVPRDELKPPKRQEEVRSVTPAE
 PVQYYFTLAQQPTAVQVQGGQQGQTTSSSTTTIQLGQIIIAQPQQGQTPVTMQVGEQQVQIVQAQPG
 QAQQTQSGTGQTMQVMQIITNTGEIQQIPVQLNAGQLQYIRLAQPVSGTQVVQGGIQTTLATNAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001048168

ORF Size: 828 bp

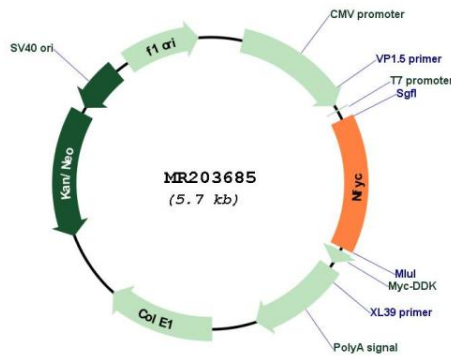
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 Size:	1917 bp
RefSeq ORF:	1008 bp
Locus ID:	18046
UniProt ID:	P70353
Cytogenetics:	4 56.52 cM
MW:	30.6 kDa
Gene Summary:	<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>

Product images:



Circular map for MR203685