

Product datasheet for **MG203685**

Nfyc (BC053723) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfyc (BC053723) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfyc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203685 representing BC053723 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACAGAAGGAGGGTTTGGCGGTACCAGCAGCAGTGATGCCAGCAAAGCCTCCAGTCCTTCTGGC
CCAGAGTCATGGAAGAAATCCGAACTTAACAGTGAAAGATTTCCGAGTACAGGAACTCCCACTGGCTCG
TATTAAGAAGATTATGAACTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCCCCTGTGCTGTTTGT
AAGGCAGCCCAGATTTTTATCACTGAGCTGACCCTTCGAGCCTGGATCCACACAGAGGATAACAAGCGTC
GTACTCTTCAGAGGAATGATATTGCCATGGCAATTACAAAATTTGATCAGTTCGACTTTCTCATCGATAT
TGTTCCAAGAGATGAACTGAAACCTCCAAGCGCCAGGAGGAGGTACGCCAGTCTGTGACTCCTGCGGGAG
CCTGTCCAGTACTACTTACGCTGGCTCAGCAGCCCACTGCTGTCCAGGTCCAGGACAGCAGCAAGGCC
AGCAGACCACCAGTTCTACGACCACCATCCAGCTTGGACAGATCATCATTGCACAGCCTCAGCAGGGTCA
GACCACACCCGTGACCATGCAGTTGGAGAAGGTGAGCAGGTGCAGATTGTACAGGCCAACCTCAGGGT
CAGGCCAGCAGACCCAGAGTGGCACTGGACAGACCATGCAGGTGATGCAGCAGATCATTACCAACACAG
GAGAGATCCAGCAGATCCCGGTGCAGCTGAATGCTGGCCAGCTGCAATATATCCGATTAGCCAGCCTGT
ATCAGGCCACCAAGTTGTCCAAGGACAGATCCAGACACTTGTACCAATGCCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

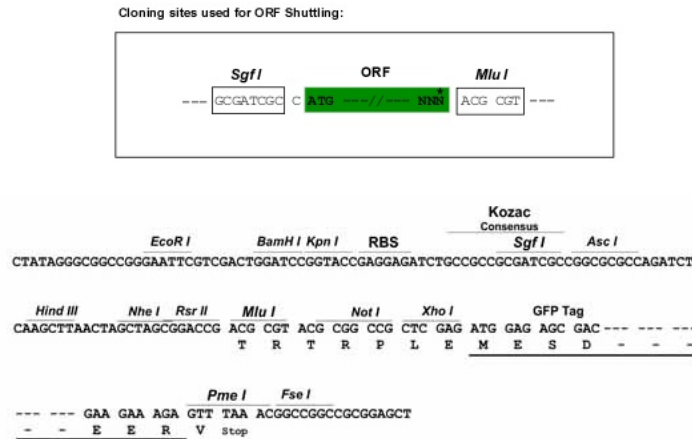
Protein Sequence: >MG203685 representing BC053723
Red=Cloning site Green=Tags(s)

MSTEGGFGGTSSSDAQQLSQSFWRVMEIIRNLTVKDFRVQELPLARIKKIMKLEDEVKMISAEAPVLF
 KAAQIFITELTLRAWIHTEENKRRRLQRNDIAMAITKFDQDFDLIDIVPRDELKPPKQEEVRSVTPAE
 PVQYYFTLAQQPTAVQVQGGQQGQTTSSSTTTIQLGQIIIAQPQQGQTPVTMQVGEQQVQIVQAQPPG
 QAQQTQSGTGQTMQVMQIIITNTGEIQQIPVQLNAGQLQYIRLAQPVSGTQVVQGIQTLATNAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC053723

ORF Size: 827 bp

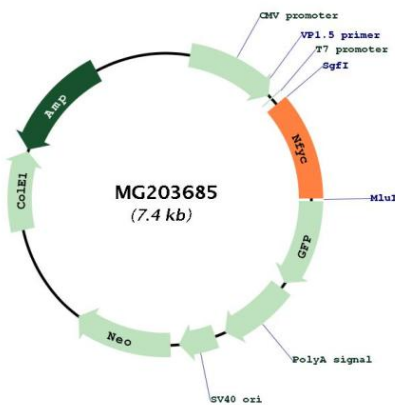
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<u>BC053723</u> , <u>AAH53723</u>
RefSeq Size:	1912 bp
RefSeq ORF:	827 bp
Locus ID:	18046
Cytogenetics:	4 56.52 cM
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 MG203685