

Product datasheet for MC205791

Nfya (NM_010913) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfya (NM_010913) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfya
Synonyms:	AA407810; Cbf-b; SEZ-10; SEZ10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC029695

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GGCGGCTGGAGCCTCTGATTGGGTTTCGGGGTCCGGTACTGGAGCCAATCAGCGCGGGCAGCGAACCGGG
GGAGCGAGGCACGGAGTCCCTACCTGGCAGCTGCCTGGGATCTGTAGAGTGAAGCTTCAGGACTCTTAAC
GTGGCCGGGCCATGGAGCAGTATACGACAAACAGCAATAGTTCCACAGAGCAGATCGTGGTGCAGGCCGG
CCAGATTCAGCAGCAGGTCCAGGGGCAGCCGTTAATGGTGCAAGTCAGTGGAGGCCAGCTTATTACATCA
ACAGGCCAACCCATCATGGTACAGGCTGTGCCTGGTGGACAAGGCCAAACCATCATGCAAGTACCTGTGT
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GACAGTTTAGAGAGTAAAGAACAAAACCTCAAACATCTGTGCTGAAGTGTGAGGACATTCACAGTCGT
TCTCCAACAGAGGCGAACCTAGGGTATTCAATCATGGGCTTTATGACAGCAAAGTAGCAAATGGAAGGATC
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TCTTGATTTTCTTTGGGACTCAACCATGTACGTCTCTTTCACACCCCTCACCCCTCAGCCCTTCCCC
CAGTAGGGGAGTACAGGTGATCACTGATGCAATTGCTTTTCTTTTTTAATAAATTTATAAAAAAT
ACTAGAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_010913

Insert Size:

957 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](#)

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: [BC029695](#), [AAH29695](#)

RefSeq Size: 3524 bp

RefSeq ORF: 957 bp

Locus ID: 18044

UniProt ID: [P23708](#)

Cytogenetics: 17 23.99 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. NF-YA positively regulates the transcription of the core clock component ARNTL/BMAL1. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1, resulting in a longer protein (isoform b).