

Product datasheet for SC325740

NFYC (NM_001142590) Human Untagged Clone

Product data:

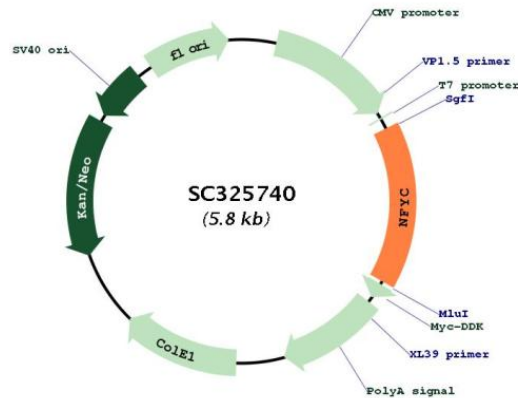
Product Type:	Expression Plasmids
Product Name:	NFYC (NM_001142590) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFYC
Synonyms:	CBF-C; CBFC; H1TF2A; HAP5; HSM; NF-YC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325740 representing NM_001142590. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCACAGAAGGAGGATTTGGTGGTACTAGCAGCAGTGATGCCAGCAAAAGCCTACAGTCGTTCTGG
CCTCGGGTCATGGAAGAAATCCGGAATTTAACAGTGAAAGACTTCCGAGTGCAGGAACTCCCACTGGCT
CGTATTAAGAAGATTATGAAACTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCGCCTGTACTCTTT
GCCAAGGCAGCCAGATTTTTATCACAGAGTTGACTCTTCGAGCCTGGATTACACAGAAGATAACAAG
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GCCGAGCCAGTCCAGTACTATTTACGCTGGCTCAGCAACCCACCGCTGTCCAAGTCCAGGGCCAGCAG
CAAGGCCAGCAGACCACCAGCTCCACGACCACCATCCAGCCTGGGCAGATCATCATCGCACAGCCTCAG
CAGGGCCAGACCATGCAGGTGATGCAGCAGATCATCACTAACACAGGAGAGATCCAGCAGATCCCGGTG
CAGCTGAATGCCGGCCAGCTGCAGTATATCCGCTTAGCCAGCCTGTATCAGGCACTCAAGTTGTGCAG
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GACCTCGCCAGCCCATGTTTCATCCAGTCAGCCAACGAGCCCTCCGACGGGCAGGCCCCCAAGGTGACC
GGCGACTGA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001142590

Insert Size: 906 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142590.1](#)

RefSeq Size: 2380 bp

RefSeq ORF: 906 bp

Locus ID:	4802
UniProt ID:	Q13952
Cytogenetics:	1p34.2
Protein Families:	Transcription Factors
Protein Pathways:	Antigen processing and presentation
MW:	33.7 kDa

Gene Summary: This gene encodes one subunit of a trimeric complex forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoters of a variety of genes. The encoded protein, subunit C, forms a tight dimer with the B subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008] Transcript Variant: This variant (5) has an alternate splice pattern in the 5' UTR, lacks an alternate exon in the 3' coding region, and uses an alternate splice site in the central coding region, compared to variant 1. the resulting isoform (5) has the same N- and C- termini but lacks two internal segments, compared to isoform 1.