

Product datasheet for **SC112622**

NFYC (NM_014223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFYC (NM_014223) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFYC
Synonyms:	CBF-C; CBFC; H1TF2A; HAP5; HSM; NF-YC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014223, the custom clone sequence may differ by one or more nucleotides

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ATGTCCACAGAAGGAGGATTTGGTGGTACTAGCAGCAGTGATGCCAGCAAAGCCTACAGTCGTTCTGGC
CTCGGGTCATGGAAGAAATCCGGAATTTAACAGTGAAAGACTTCCGAGTGCAGGAACTCCCACTGGCTCG
TATTAAGAAGATTATGAAACTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCGCCTGTACTCTTTGCC
AAGGCAGCCCAGATTTTTATCACAGAGTTGACTCTTCGAGCCTGGATTACACAGAAGATAACAAGCGCC
GGACTCTACAGAGAAATGATATCGCCATGGCAATTACAAAATTTGATCAGTTTGATTTTCTCATCGATAT
TGTTCCAAGAGATGAACTGAAACCTCAAAGCGTCAGGAGGAGGTGCGCCAGTCTGTAACCTCTGCCGAG
CCAGTCCAGTACTATTTACAGCTGGCTCAGCAACCCACCGCTGTCCAAGTCCAGGGCCAGCAGCAAGGCC
AGCAGACCACCAGCTCCACGACCACCATCCAGCCTGGGCAGATCATCATCGCACAGCCTCAGCAGGGCCA
GACCACACCTGTGACAATGCAGGTTGGAGAAGGTGAGCAGGTGCAGATTGTCCAGGCTCAGCCACAGGGT
CAAGCCCAACAGGCCAGAGTGGCACTGGACAGACCATGCAGGTGATGCAGCAGATCATCACTAACACAG
GAGAGATCCAGCAGATCCCGGTGCAGCTGAATGCCGGCCAGTGCAGTATATCCGCTTAGCCAGCCTGT
ATCAGGCACTCAAGTTGTGCAGGGACAGATCCAGACACTTGCCACCAATGCTCAACAGATTACACAGACA
GAGGTCCAGCAAGGACAGCAGATTCAGCCAGTTCACAGATGGACAGCAGCTCTACCAGATCCAGCAAG
TCACCATGCCTGCGGGCCAGGACCTCGCCAGCCCATGTTTCATCCAGTCAGCCAACCCAGCCCTCCGACGG
GCAGGCCCCAGGTGACCGGCGACTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014223 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTGCTCTTCTCTGGA CTCCTGAGCAGAGTTGTTCGAGATGTCCACAGAAGGAGGATTTGGTGGTACTAGCAGCAGT GATGCCAGCAAAGCCTACAGTCGTTCTGGCCTCGGGTCATGGAAGAAATCCGGAATTTA ACAGTGAAGACTTCCGAGTGCAGGAACCCCCTGGCTCGTATTAAGAAGATTATGAAA CTGGATGAAGATGTGAAGATGATCAGTGCAGAAGCGCCTGTACTCTTTGCCAAGGCAGCC CAGATTTTTATCACAGAGTTGACTCTTCGAGCCTGGATTACACAGAAGATAACAAGCGC CGGACTTACAGAGAAATGATATCGCCATGGCAATTACAAAATTTGATCAGTTTGATTTT CTCATCGATATTGTTCCAAGAGATGAACTGAAACCTCCAAAGCGTCAGGAGGAGGTGCGC CAGTCTGTAATTCCTGCCGAGCCAGTCCAGTACTATTTACGCTGGCTCAGCAACCCACC GCTGTCCAAGTCCAGGGCCAGCAGCAAGGCCAGCAGACCACCAGCTCCACGACCACCATC CAGCCTGGGCAGATCATCATCGCACAGCCTCAGCAGGGCCAGACCACACCTGTGANCATG CANGTTGAGAAGGTGAGCAGGTGCAGATTGTCCAGGCTCAGCCACAGGGTCAAGCCCAA CAGGCCAGAGTGGCACTGGACAGACCATGCAGGTGATGCAGCAGATCATCACTAACACA GGAGAGACCAGCAGATCCCGGTGCAGCTGAATGCCGGCCAGCTGCAGTATATCCGCTTAG CCCACCTGTATCAGCACTCCAGTGTGCAGGGACGATCCGACACTTGACACA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014223 unedited</p> <pre>CGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCTAAAAATGAGATTATTGCATT TCATGCAGCTTGAAGTCCATGCAAAGGAGACTAGCACAGTTTTTAATGCATTTAAAAAAT AAAAGGGAGGTGGGCAGCAAACACAAAAGTCTAGTTTCTGGGTCCCTGGGAGAAAAG AGTGTGGCAATGAATCCACCCACTCTCCACAGGGAATAAATCTGTCTCTTAAATGCAAAG AATGTTTCCATGGCCTCTGGATGCAAAACACAGAGCTCTGGGGTCAAAGCAAGGGATGG GGAGAGGACCACGAGTGA AAAAGCAGCTACACACATTCACCTAATTCATCTGAGGGCAG AACAACTGGCAAGTCTTGGGGGTAGCAGCTGTTCCAGAGTCAAGAAATACCGTACACC CCTGGGGAGATTTGCTCCTAAAAAGAAGTGGCAGTAACAAAACAAAAAAGAAAAACAA AAGGAGAAATATTTCTTCAACCACACTCTTCAAGAAAATGCCATAAATATGTTATTTAAT ATTTAATTTTATAGCATTGGACACACACTCAACATATTGAAATATTGATTCCTTAGAGA AAAAATGGAAAAAAGGAAACAAAAAATTTGCATCTTCTGCTGGAGAATCTCGGCC CCAGGCATGGGGTGTAGTGCACCACTGTCCTANCCTGCAGGAGGCCTGAGGTCCGGCCGG GTCCTCTGGGGAGAAGGCTGTGCCATTGCCTNNGGCTGTATGGAAAAATGTGTTGGGTG TCCTTGGCCTTGACGCTCAGCCCTCATGCCGGTCACTGGGGGGCCTGCCCGTCGAGGCT TGGTGCTGACTGATGACATGGCTGGGGCAGGTCTGNCCCAGCATGGGACTTGCTGTATC TGGTAACTCTGTATTGGAAGTGGTGAATGCTGTGGCCTGCTGACCTTGCTGGGAATTG TGACATG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014223
Insert Size:	2000 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).
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_014223.2 , NP_055038.2
RefSeq Size:	1965 bp
RefSeq ORF:	1008 bp
Locus ID:	4802
UniProt ID:	Q13952
Cytogenetics:	1p34.2
Domains:	CBFD_NFYB_HMF
Protein Families:	Transcription Factors
Protein Pathways:	Antigen processing and presentation
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2) has the same N- and C- termini but lacks an internal segment, compared to isoform 1.</p>