

Product datasheet for **SC112794**

NIF1 (ZNF335) (NM_022095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIF1 (ZNF335) (NM_022095) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIF1
Synonyms:	MCPH10; NIF-1; NIF1; NIF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022095, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGGAGAACGAGGTGGAGAGCAGCAGCGACGCGGCCCTGGGCTGGCCGGCCGAGGAGCCCTCTG
AGAGCGGCTGGGTGTGGGCACCTCAGAAGCCGTGTCCGCCGACAGCAGCGACGCGGCCGCCCCGGG
GCAGGCAGAGGCCGATGACTCTGGCGTGGGGCAAAGCTCGGACCGCGGCAGCCGTTCTCAGGAGGAGTA
TCTGAGAGCAGCTCGAGCGCAGACCCCTGCCTAATAGCTACCTCCCTGATTCATCGTCTGTGTCTCATG
GGCCAGTGGCAGGGGTGACAGGCGGTCCCCAGCACTTGTGCACTCTAGTGCCTCCAGACCCCAACAT
GCTGGTGTCCGACTGCACAGCTTCTCCTCGGACCTGGGCTCGGCCATCGACAAGATCATCGAGTCCACC
ATCGGGCCCGACCTCATCCAGAAGTGCATCACTGTGACCAGTGTGAGGATGGCGGGCCGAGACCACAC
GGTACCTGATCCTACAGGCCAGATGATGGAGCCCCATGACATCACCATGTCCAGTTCCACCTTGGC
CCACAGCCTAGCAGCCATTGAGGCCCTGGCAGATGGCCCCACATCCACATCCACATGCCTGGAGGCACAG
GGTGGGCCAGCTCCCCGGTGCAGCTGCCCCAGCCTCCGGTGGCGAAGAGCCGGACCTGCAGAGCCTGG
AGGCCATGATGGAGGTGGTGGTGGTGCAGCAGTTCAAATGCAAGATGTGCCAGTACCGGAGCAGCACAA
GGCCCACTGCTGCGCCACATGCGGGAACGCCACTTCCGTCCAGTAGCAGCAGCCGAGCAGCAGCTGGT
AAAAAAGGACGTCTACGGAAGTGGAGCACCTCCACCAAGAGCCAAGAGGAAGAGGGACCAGAGGAGGAGG
ACGATGATGACATTGTAGACGCTGGAGCCATTGATGACCTGGAGGAGGATAGCGACTATAATCCAGCTGA
GGATGAGCCCCGAGGCCGAGCTTCCGGTCCAGCGCCCCACCCCAAGTACCCCAAGGCCGGAAGGAGA
CCTGGCCGGCCCCGGAAGCTGCCCGCCTGGAGATCTCAGACCTCCAGATGGTGTGGAAGGAGAGCCTC
TAGTGAGTTCACAGAGTGACAGAGCCCTCCAGAGCCACAGGATCCCGAGGCTCCAGCTCCTCAGGCC
AGGACACCTGGTGGCCATGGGCAAGGTGAGCAGGACCCCTGTGGAAGCTGGTGTGAGCCAGTCAGATGCA
GAGAACGCAGCCCCCTCTGCCCGATGAGCATGACACTCTGCCCGGCGCCGAGGTCGACCTTCCAGGC
GCTTCTAGGCAAGAAATACCGCAAGTACTATTACAAGTCGCCAAACCCTTTTGGGCCCTTCTGTG
CCGCATCTGTGGTTCTCGCTTTCTGTCCACGAGGACCTGCGCTTCCACGTCAACTCCCATGAGGCTGGC
GATCCCCAGCTCTCAAGTGCCTGCAGTGCAGCTATCGTTCGCCCGCTGGTCTCGCTCAAGGAGCACA
TGTTCAACCACGTGGGCAGCAAGCCCTACAAGTGTGACGAGTGCAGCTACACCAGTGTCTACCGGAAGGA

```



View online »

CGTCATTCGGCACGCGCTGTGCACAGCCGGGACCGGAAGAAGAGGCCAGATCCGACTCCAAAGCTGAGC
TCTTTCCCTGCCTGTGTGTGGCCGTGTATCCCATGCAGAAAAGACTCACGCAGCACATGAAGACGC
ACAGCACTGAGAAGCCCCACATGTGTGACAAGTGTGAAAGTCTTTAAGAAGCGCTACACCTTCAAAT
GCACCTGCTCACGCACATCCAGGCTGTTGCCAACCGCAGGTTCAAGTGTGAGTTCTGTGAGTTTGT
GAAGACAAGAAGGCACTGCTGAACCACCACTGTCACACAGGCAACAAGAAGAACCTGCGCTGCACGTACGGTGCCGA
GTCCTACCGCACCTCCGAGAGGACTTCTGTGCCATGTGGCTGTCAAGCACACAGGGGCCAAGCC
CTTCGCTGTGAGTACTGCCACTTCAGCACACGGCACAAGAAGAACCTGCGCTGCACGTACGGTGCCGA
CACGCAAGCAGCTTCGAGGAATGGGGGAGGCGCCACCCTGAGGAGCCCCCTCCCGCTGCGCCCTTCT
TCTCTCTGCAGCAGATTGAGGAGCTGAAGCAGCAGCACAGTGCAGCCCTGGACCACCTCCAGTTCCT
AGGACCTCTGAGATACCCCAGAGGCGACAACCTTCCAGTCTCTGAGGCTCCCTCATTGCTCTGTTCT
GACACCTGGGCGGCGCCACCATCATCTACCAGCAAGGAGCTGAGGAGTCGACAGCGATGGCCACGAGA
CAGCCTTGATCTTCTGTGAACATGAGTGCTCAGCGGAACTGGGGGCGACAGCCCTGCAGGTGGCTGT
GGTGAAGTCGGAAGATGTGAAGCAGGGTTAGCATCCCCTGGTGGCAGCCCTCCCTGAAGGTGCCACT
CCACAGGTGGTCACCCTCCAGTGGCAGAGCCAGGGGGCGGTGCAGCAGCCGAGAGCCAGCTAGGCCCTC
TGACCTACCGCAGATCACCTGGCACCTGGTCCATTTGGTGGGACTGGTACAGTGTCTCACAGCACC
CCCTATGAGGAGGGAACATCAGCTCCTGGCACACCTACAGCGAGGAGCCCGCAGGAGAGGCAGCCAG
GCTGTGGTTGTGAGTGACACCCTAAAAGAAGCTGGCACCCACTACATCATGGCTACTGATGGTACCCAGT
TGCACCACATTGAGCTCACCGCAGATGGCTCCATCTCCTTCCCAAGTCCAGATGCTCTGGCCTCTGGTGC
CAATGGCCCCTGCTGCAGTGTGGGGACTGCCAGAGACGGCCCTGAGCCCCATCTCCAGCCAAGACC
CACTGCGTAGGGGACTCCCAGAGCTCTGCCTCCTCACCTCCTGCAACCAGCAAAGCCCTGGGCTGGCAG
TGCCCCGTACCGCCATCTGCAGCCACTGCTGCATCAAAGAAGTTTTCTGCAAGATCTGTGCCGAGGC
CTTCCCTGGCCGAGCTGAGATGGAGAGTCACAAGCGGGCCACGCTGGCCTGGTGCCTCAAGTGGCC
GACTGCCCTTCAAGTGGCCGAGTGGCCGAGTCCGGGCGCACATGGCACAGCACTAAAGCTACGGC
CCCACCAAGTGTAGCCAGTGCAGCTTGCCTCCAAGAACAAGAAGGACCTGCGTCGCGCACATGCTGACTCA
CACAAAGGAGAAGCCTTTTGCATGCCACCTCTGCGGGCAGCGTTTCAACCCTAACGGGCACCTCAAGTTC
CACATCCAGCGGCTGCACAGTCTGATGGGAGGAAGTCAGGAACCCCTACAGCCGGGCCCTACCCAGA
CCCCAACCCAGACCATCATCCTGAACAGTGTGACGAAACACTGGCCACCCTGCACACTGCACTCCAGTC
CAGTCACGGGTCTGGGCCAGAGCGGCTACAGCAGGCACTGAGCCAGGAACACATCATCGTTGCCAG
GAACAGACAGTGACCAATCAGGAGGAAGCCGCTACATCCAAGAGATCACACGGCAGATGGCCAGACCG
TACAGCACCTGGTGACCTCCGACAACCAGGTGCAGTATATCATCTCCAGGATGGTGTCCAGCACCTGCT
CCCCAGGAATATGTTGTGGTCCCTGAAGGCCATCACATCCAGGTACAGGAGGGCCAGATCACACACATC
CAGTATGAACAAGGAGCCCCGTTCTTCCAGGAGTCCAGATCCAGTATGTGCCTGTGTCCCAGGCCAGC
AGCTTGTACACAGGCTCAACTGAGGCTGCAGCACACTCAGCTGTACAGCAGTGGCTGATGCTGCCAT
GGCCAAAGCCAGGGCTGTTTGGTACAGACGAGACAGTGCCTGAACACATTCAACAGCTGCAGCACCAG
GGCATCGAGTACGACGTATCACCTGGCCGATGACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022095 unedited
 GGGTCACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGGCGACCTC
 GTCGATGCCGGAGTCAGAGAGGAACGTGGCTACGAAAGCCTCGGAGTGAAGTTCCAGAC
 CCTACGCCCCGCTGTGAGGAGCCCGCCGATCAGATGGAGGAGAACGAGGTGGAGAGCAG
 CAGCGACGCGGCCCTGGGCCTGGCCGGCCGAGGAGCCCTCTGAGAGCGGCCTGGGTGT
 GGGCACCTCAGAAGCCGTGTCCGCCGACAGCAGCGACGCCGCGGCCGCCCCGGGGCAGGC
 AGAGCCGATGACTCTGGCGTGGGGCAAAGCTCGGACCGCGCAGCCGTTCTCAGACTGC
 ATCACTGTGACCACTGCTGAGGATGGCGGGCCGAGACCACACGTTACCTGATCCTACAG
 GGCCAGATGATGGAGCCCCATGACATACCAATGTCCAGTTCCACCTTGGCCACAGC
 CTAGCAGCCATTGAGGCCTGGCAGATGGCCCCACATCCACATCCACATGCCTGGAGGCA
 CAGGGTGGGCCAGCTCCCCGGTGCAGCTGCCCCAGCCTCCGGTGCCGAAGAGCCGGAC
 CTGCAGAGCCTGGAGCCATGATGGAGGTGGTGGTGCANCAGTTCAAATGCAAGATG
 TGCCAGTACCGGAGCAGACCAAGGCCACACTGCTGCCACATGCGGGAACGCCACTTC
 CGTCCAGTAGCAGCAGCCGAGCAGCAGCTGGTAAAAAAGGACGTTACGGAAGTGGAGC
 ACCTCCACCAAGACCCAAGAGGAAGAGGGACANAGGAGGAGGACGATGATGACATTGTA
 GACGCTGGAGCCATTGATGACCTGGNAGGAGATAGCGACTATAATCCCAGCTGAGATGAG
 CCCCAGGCCGCGACTCGNNC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022095 unedited
 NNNNTTACTCTGGCCCGCGGCCGAATCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTTTTT
 TTGGTCAAGACTGGGACTT
 TGGGCCCTTTTTTGGAAATGGCAGGCCCGGGGGCCCCCAAACAAAATAAATTTTTTTT
 TCCAAAACCTGCCTGGAGGGTGGGGCACCAACATGTCTGGGTGGGGCCCATGGGTGGC
 CCTAACCCCAACAAAAAGGGTTGGGTTCTGGGAAAGAAAGGAAGCTGGGTTTTCCATA
 TTTGGGGAACCTAAATGAAAAGGGGGGGGGTCTGGGGGCCCTACCCCAAGAAAAG
 TGGGCGCAAAACCTGATCTGGGTGGGCCCTTGGGGTTAATCATTGGCCCGGGGAAG
 ACCCCGTAACCAAGCCCTGGGCTGGAAGTGTGAAAGGGTTCGGGCACTGTTTTGTTT
 GTACCAAAAAAGCCCTGGGCTTGGCCATGGGAAAATTAACCACTGGTGGGACAACCTGAA
 TGGGCTGCAACCCCAAATTGAACCCGGGTGACAACTGGTGGGCTGGGGACACAAGCACA
 TACTGGGTTTGGGACTCCTGAAGGAACGGGGCTCCTTGGTCAAACCGGAAGGGGGGAAC
 CGGGCCTCCTGGACCCGGGAGTGAAGGGCCTTAAGGACCAACATATTTCTGGGGAGCA
 AGGGCTGGACACCATTCTGGGAGAAGAATACCTGACCCTGGTGGCGGAGGTAACCAAGGC
 TGTACCGTCTGGGCATTTGCCGGGGGATCTTTGGATGTAGGCGGCTCCTCCTGATTGGC
 ACTGTCTTGTCTGGGCACAATAAGGGTCTGGTCAAGGCTGCTGGACCCGTCGAAGGCC
 AGGAACCCGTGATGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_022095

Insert Size:

7100 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:

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_022095.3](#), [NP_071378.1](#)

RefSeq Size: 4462 bp

RefSeq ORF: 4029 bp

Locus ID: 63925

UniProt ID: [Q9H4Z2](#)

Cytogenetics: 20q13.12

Domains: zf-C2H2

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Gene Summary: The protein encoded by this gene enhances transcriptional activation by ligand-bound nuclear hormone receptors. However, it does this not by direct interaction with the receptor, but by direct interaction with the nuclear hormone receptor transcriptional coactivator NRC. The encoded protein may function by altering local chromatin structure. [provided by RefSeq, Jul 2008]