

Product datasheet for **SC326590**

Nuclear Factor 1 (NFIA) (NM_001145512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuclear Factor 1 (NFIA) (NM_001145512) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nuclear Factor 1
Synonyms:	BRMUTD; CTF; NF-I/A; NF1-A; NFI-A; NFI-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001145512 edited
 ATGCAAATGTGCCCGCCCGCCTCCTCCTCGGTTCTCTACGTGCCACGCGGTGGCCCGGG
 GGGTGC GG GCAACCTGGCAAAGTTGCCAAGTCTCCACCGAGACGCACACGCATACCC
 CAGCGCCCGGCAGTTATGTAATTCCTCCGCTCTGTCTCACCAGGATGAATTTATCCTTTT
 ATCGAAGCACTTGTGCCACGTCCGAGCCTTTGCCTACACATGGTTCAACCTGCAGGCC
 CGAAAAAGAAAACTTCAAAAAACATGAAAAGCGTATGTCAAAAAGAAGAAGAGAGAGCC
 CTGAAGGATGAATTGCTAAGTGAAAAACAGAGGTCAAGCAGAAGTGGGCATCTCGACTT
 CTGGCAAAGTTGCGGAAAGATATCCGACCCGAATATCGAGAGGATTTTGTCTTACAGTT
 ACAGGGAAAAAACCTCCATGTTGTGTTCTTTCCAACCCAGACCAGAAAGCAAGATGCGA
 AGAATTGACTGCCTCCGCCAGGCAGATAAAGTCTGGAGGTTGGACCTTGTATGGTGATT
 TTGTTTAAAGGATTCCGCTGGAAAGTACTGATGGCGAGCGCCTTGTAAGTCCCACAA
 TGCTCTAATCCAGGGCTGTGTCCAACCCATCACATAGGGGTTTCTGTTAAGGAACTC
 GATTTATATTTGGCATACTTTGTGCATGCAGCAGATTCAAGTCAATCTGAAAGTCCCAGC
 CAGCCAAGTGACGCTGACATTAAGGACCAGCCAGAAAATGGACATTTGGGCTTCCAGGAC
 AGTTTTGTACATCAGGTGTTTTAGTGTCACTGAGCTAGTAAGAGTGCACAGACACCA
 ATAGCTGCAGGAAGTGGCCAAAATTTTCTCTCTCAGATTTGAAAGTCTTCTACTACTAC
 AGCATGAGTCCAGGAGCAATGAGGAGGTCTTTACCCAGCACATCCTCTACGAGCTCCACA
 AAGCGCCTCAAGTCTGTGGAGGATGAAATGGACAGTCTGGTGAGGAGCCATTTTATACA
 GGCCAAGGGCGCTCCCAAGGAAGTGGCAGTCAAGTGGATGGCATGAAGTGGAGCCA
 GGAATGCCATCTCCAACCACTGAAGAAGTGGAGAAGTCTGGTTTTCAGCAGCCCTCC
 CCTTACAGACCTCCTCCCTGGGAACGGCGTTCACACAGCATCACCGACCTGTATTACA
 GGACCCAGAGCAAGTCCGCATGCAACACCATCGACTCTTCATTTCCCGACATCACCCATT
 ATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGCTATCACCCTCAGGAGCG
 CTGAAAGAATTTGTCCAACCTGTCTGCCCTGATGCTGGTCAGCAGGCTGGACAGGTGGGG
 TTCTCAATCCCAATGGGAGCAGCCAAGGCAAGGTGCACAACCCATTCCTTCCCACCCCA
 ATGTTGCCACCGCCACCGCCACCACCGATGGCCAGGCCTGTGCCTCTGCCGGTGCAGAC
 ACAAAAGCTCCAACCACGTCAACAGAAGGAGGTGCAGCCTCCCCACGTACCAACCTAC
 TCGACACCCAGCACCTCCCCGCAAACCGATTCTGTAGTGTGGACCACGGGATCCAAGC
 TTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGATAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001145512
- 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).
- 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_001145512.1](#), [NP_001138984.1](#)

RefSeq Size: 9228 bp

RefSeq ORF: 1665 bp

Locus ID: 4774

UniProt ID: [Q12857](#)

Cytogenetics: 1p31.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the NF1 (nuclear factor 1) family of transcription factors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Transcript Variant: This variant (4) differs in the 5' UTR and coding region compared to variant 1. The resulting protein (isoform 4) has a longer and distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.