

Product datasheet for **SC107195**

Nuclear Factor 1 (NFIA) (NM_005595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuclear Factor 1 (NFIA) (NM_005595) 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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107195 sequence for NM_005595 edited (data generated by NextGen Sequencing)

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ATGTATTCTCCGCTCTGTCTCACCCAGGATGAATTTTCATCCTTTTCATCGAAGCACTTCTG
CCCCACGTCCGAGCCTTTGCCTACACATGGTTCAACCTGCAGGCCGAAAAACGAAAATAC
TTCAAAAAACATGAAAAGCGTATGTCAAAAAGAAGAAGAGAGCCGTGAAGGATGAATTG
CTAAGTAAAAACCAGAGGTCAAGCAGAAGTGGGCATCTCGACTTCTGGCAAAGTTGCGG
AAAGATATCCGACCCGAATATCGAGAGGATTTTGTCTTACAGTTACAGGGAAAAAACCTC
CCATGTTGTGTTCTTCCAACCCAGACCAGAAAGCAAGATGCGAAGAATTGACTGCCTC
CGCCAGGCAGATAAAGTCTGGAGTTGGACCTTGTATGGTGATTTTGTTTAAAGGTATT
CCGCTGAAAAGTACTGATGGCGAGCGCCTTGTAAGTCCCACAATGCTCTAATCCAGGG
CTCTGTGTCCAACCCATCACATAGGGTTTCTGTAAAGAACTCGATTTATATTTGGCA
TACTTTGTGCATGCAGCAGATCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGACGCT
GACATTAAGGACCAGCCAGAAAATGGACATTTGGGCTTCCAGGACAGTTTGTACATCA
GGTGTTTTGTAGTGTCACTGAGCTAGTAAGAGTGCACAGACACCAATAGCTGCAGGAACT
GGCCCAAATTTTCTCTCTCAGATTTGGAAAGTCTTCACTACAGCATGAGTCCAGGA
GCAATGAGGAGGTCTTACCAGCACATCTCTACGAGCTCCACAAAGCGCCTCAAGTCT
GTGGAGGATGAAATGGACAGTCTGGTGAGGAGCCATTTATACAGGCCAAGGGCGCTCC
CCAGGAAGTGGCAGTCAAGTGGATGGCATGAAGTGGAGCCAGGAATGCCATCTCCA
ACCACACTGAAGAAGTCGGAGAAGTCTGGTTTCAGCAGCCCTCCCTTTCACAGACCTCC
TCCCTGGGAACGGCGTTCACACAGCATCACCGACTGTCAATACAGGACCCAGAGCAAGT
CCGCATGCAACACCATCGACTCTTCAATTTCCGACATCACCCATTATCCAGCAGCCTGGG
CCTTACTTCTCACACCCAGCCATCCGCTATCACCTCAGGAGACGCTGAAAGAATTTGTC
CAACTGTCTGCCCTGATGCTGGTCAGCAGGCTGGACAGGTGGGGTTCCTCAATCCCAAT
GGGAGCAGCCAAGGCAAGGTGCACAACCCATTCCTTCCACCCCAATGTTGCCACCGCCA
CCGCCACCACCGATGGCCAGGCCTGTGCCTCTGCCGGTGCCAGACACAAAGCCTCAACC
ACGTCAACAGAAGGAGGTGCAGCCTCCCCACGTACCAATCCTGGTACCTGGGATAAAA
GTTGCAGCGTCCCACCATCCACCAGACAGACCCTGACCCCTTCTCAACTCTGTAA

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Clone variation with respect to NM_005595.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005595 unedited

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ATTTGTAATACGACTCACTATAGGGCGCCGCGAATTCGGCACGAGGATTTTTTTTCTC
CCCCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCACC
CACACTCACGCACACCTCCAACCCGACACCCAGACGCACACGCATACCCAGCGCCCGG
CAGTTATGTATTCTCCGCTCTGTCTCACCCAGGATGAATTTTCATCCTTTTCATCGAAGC
TTCTGCCCCACGTCCGAGCCTTTGCCTACACATGGTTCAACCTGCAGGCCGAAAAACGAA
AATACTTCAAAAAACATGAAAAGCGTATGTCAAAAAGAAGAAGAGAGCCGTGAAGGATG
AATTGCTAAGTAAAAACCAGAGGTCAAGCAGAAGTGGGCATCTCGACTTCTGGCAAAGT
TGCGAAAAGATATCCGACCCGAATATCGAGAGGATTTTGTCTTACAGTTACAGGGAAAA
AACCTCCATGTTGTGTTCTTTCCAACCCAGACCAGAAAGCAAGATGCGAAGAATTGACT
GCCTCCGCCAGGCAGATAAAGTCTGGAGTTGGACCTTGTATGGTGATTTTGTTTAAAG
GTATTCGCTGAAAAGTACTGATGGCGAGCGCCTTGTAAGTCCCACAATGCTCTAATC
CAGGGCTCTGTGTCCAACCCATCACATAGNGGTTTCTGTAAAGAACTCGATTTATAT
TTGGCATACTTTGTGCATGCAGCAGATCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGT
GACGCTGACATTAAGGACCAGCCAGAAAATGGACATTTGGGCTTNCAGNACAGTTTGTG
ACATCAGGTGTTTTAGTGTCACTGAGCTAGTAAGAGTGTACAGACACCATAGTGCAG
GACTGGCCCAATTTTCTCTCTCAGATTG

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Restriction Sites: NotI-NotI
ACCN: NM_005595
Insert Size: 3000 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_005595.1 , NP_005586.1
RefSeq Size:	2684 bp
RefSeq ORF:	1497 bp
Locus ID:	4774
UniProt ID:	Q12857
Cytogenetics:	1p31.3
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate segment in the 3' UTR, which shifts the reading frame, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus when it is 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.</p>