

Product datasheet for **RC226505**

Nuclear Factor 1 (NFIA) (NM_001145512) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuclear Factor 1 (NFIA) (NM_001145512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nuclear Factor 1
Synonyms:	BRMUTD; CTF; NF-I/A; NF1-A; NFI-A; NFI-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC226505 representing NM_001145512
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAATGTGCCGCCCGCCTCCTCCTCGTTCTCTACGTGCCACGCGGTGGCCCGGGGGTGCAGGG
 CAACCTGGCAAAGTTGCCCAAGTCTCCACCGAGACGCACACGCATACCCAGCGCCCGGAGTTATGTA
 TTCTCCGCTCTGTCTACCCAGGATGAATTTTCCTTTTCATCGAAGCACTTCTGCCCCAGTCCGAGCC
 TTTGCCTACACATGGTTCAACCTGCAGGCCGAAAACGAAAATACTTCAAAAAACATGAAAAGCGTATGT
 CAAAAGAAGAAGAGAGAGCCGTGAAGGATGAATTGCTAAGTAAAAACCAGAGGTCAAGCAGAAGTGGGC
 ATCTCGACTTCTGGCAAAGTTGCGGAAAGATATCCGACCCGAATATCGAGAGGATTTTGTCTTACAGTT
 ACAGGGAAAAACCTCCATGTTGTGTTCTTTCCAACCCAGACCAGAAAGGCAAGATGCGAAGAATTGACT
 GCCTCCGCCAGGCAGATAAAGTCTGGAGTTGGACCTTGTATGGTGATTTTGTAAAGGTATCCGCT
 GAAAAGTACTGATGGCGAGCGCCTTGTAAGTCCCACAATGCTCTAATCCAGGGCTCTGTGTCCAACCC
 CATCACATAGGGGTTTCTGTTAAGGAATCGATTTATATTTGGCATACTTTGTGCATGCAGCAGATTCAA
 GTCAATCTGAAAGTCCCAGCCAGCAAGTGACGCTGACATTAAGGACCAGCCAGAAAATGGACATTTGGG
 CTTCCAGGACAGTTTTGTACATCAGGTGTTTTAGTGTCACTGAGCTAGTAAGAGTGTACAGACACCA
 ATAGCTGCAGGAAGTGGCCAAATTTTCTCTCAGATTTGAAAGTCTTCACTACAGCATGAGTC
 CAGGAGCAATGAGGAGGTCTTTACCCAGCACATCCTCTACGAGCTCCACAAAGCGCCTCAAGTCTGTGGA
 GGATGAAATGGACAGTCTGGTGAGGAGCCATTTATACAGGCCAAGGGCGCTCCCAGGAAGTGGCAGT
 CAGTCAAGTGGATGGCATGAAGTGGAGCCAGGAATGCCATCTCCAACCACACTGAAGAAGTCGGAGAAGT
 CTGGTTTACAGCAGCCCTCCCTTACAGACCTCCTCCCTGGGAACGGCGTTACACAGCATCAGCGACC
 TGTCAATTACAGGACCCAGAGCAAGTCCGCATGCAACACCATCGACTCTTCAATTTCCCGACATCACCCATT
 ATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGCTATCACCCCTCAGGAGACGCTGAAAAGT
 TTGTCCAATCTGTCTGCCCTGATGCTGGTCCAGGCTGGACAGGTGGGGTTCTCAATCCAATGGGAG
 CAGCCAAGGCAAGGTGCACAACCCATTCTTCCCACCCCAATGTTGCCACCGCCACCGCCACCACCGATG
 GCCAGGCTGTGCCTCTGCCGGTCCAGACACAAAGCCTCCAACCACGTCAACAGAAGGAGGTGCAGCCT
 CCCCCACGTCACCAACCTACTCGACACCCAGCACCTCCCCGCAAACCGATTCTGTCAGTGTGGACCAG
 GGATCAAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226505 representing NM_001145512
 Red=Cloning site Green=Tags(s)

MQMRPASSSVLYVPTRWPGCGATWQSCSPPPRRTRIPQRPVAVMYSPLCLTQDEFHPIEALLPHVRA
 FAYTWFNLQARKRKYFKKHEKRMSKEEERAVKDELLSEKPEVKQKQWASRLLAKLKDIRPEYREDFVLT
 TGKKPPCCVLSNPQKGMRRIDCLRQADKVRDLVMVILFKGIPLDGERLVKSPQCSNPGLCVQP
 HHIGVSVKELDLYLAYFVHAADSSQSESPSPSDADIKDQPEHGLGFQDSFVTSVGFVSVTELVRVSTP
 IAAGTGNFSLSDLESSSYMSPGAMRRSLPSTSTSTKRLKSVEDMDSPGEEPFYTGQGRSPGSGS
 QSSGWHEVEPGMPSPTTLKKSEKSGFSSPSPSQTSSLGTAFTQHHRPVITGPRASPHATPSTLHFPTSPI
 IQQPGPYFSHPAIRYHPQETLKEFVQLVCPDAGQQAGQVGFVLPNGSSQKVNHPFLPTPMLPPPPPPM
 ARPVPLPVPDTPPTTSTEGGAASPTSPYSTPSTSPANRFVSVGPRDPSFVNIPQQTQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_a04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001145512

ORF Size: 1662 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001145512.2](#)

RefSeq ORF: 1665 bp

Locus ID: 4774

UniProt ID: [Q12857](#)

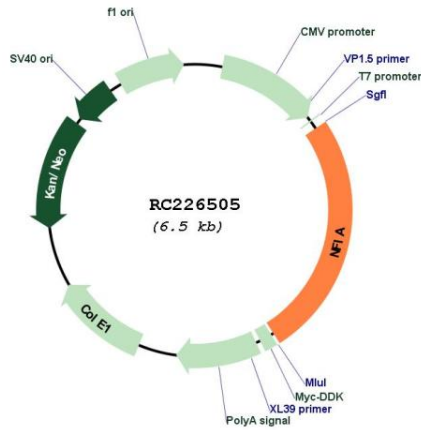
Cytogenetics: 1p31.3

Protein Families: Transcription Factors

MW: 60.7 kDa

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]

Product images:



Circular map for RC226505