

Product datasheet for **RG225878**

Nuclear Factor 1 (NFIA) (NM_001134673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nuclear Factor 1 (NFIA) (NM_001134673) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nuclear Factor 1
Synonyms:	BRMUTD; CTF; NF-I/A; NF1-A; NFI-A; NFI-L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG225878 representing NM_001134673
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCTCGCTCTGTCTCACCCAGGATGAATTTTCATCCTTTTCATCGAAGCACTTCTGCCCCAGTCC
 GAGCCTTTGCCTACACATGGTTCAACCTGCAGGCCGAAAACGAAAATACTTCAAAAAACATGAAAAGCG
 TATGTCAAAGAAGAAGAGAGAGCCGTGAAGGATGAATTGCTAAGTGAAAAACAGAGGTCAAGCAGAAG
 TGGGCATCTCGACTTCTGGCAAAGTTGCGGAAAGATATCCGACCCGAATATCGAGAGGATTTTGTCTTA
 CAGTTACAGGGAAAAACCTCCATGTTGTGTTCTTTCCAACCCAGACCAGAAAAGGCAAGATGCGAAGAAT
 TGACTGCCTCCGCCAGGCAGATAAAGTCTGGAGGTTGGACCTTGTATGGTGATTTTGTAAAGGTATT
 CCGCTGGAAGTACTGATGGCGAGCGCCTGTAAAGTCCCACAATGCTCTAATCCAGGGCTCTGTGTCC
 AACCCCATCACATAGGGGTTTCTGTTAAGGAAGCTGATTTATTTGGCATACTTTGTGCATGCAGCAGA
 TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTACGCTGACATTAAGGACCAGCCAGAAAATGGACAT
 TTGGGCTTCCAGGACAGTTTTGTACATCAGGTGTTTTAGTGTCAGTACTGAGTAGTAAGAGTGTCACAGA
 CACCAATAGTGCAGGAAGTGGCCAAAATTTTCTCTCTCAGATTTGGAAAGTTCTTCACTACAGCAT
 GAGTCCAGGAGCAATGAGGAGTCTTTACCCAGCACATCTCTACGAGCTCCACAAGCGCCTCAAGTCT
 GTGGAGGATGAAATGGACAGTCTGGTGAAGGAGCCATTTATACAGGCCAAGGGCGCTCCCAGGAAGTG
 GCAGTCAGTCAAGTGGATGGCATGAAGTGGAGCCAGGAATGCCATCTCCAACCACTGAAGAAGTCGGA
 GAAGTCTGGTTTACAGCAGCCCCCTCCCTTACAGACCTCCTCCCTGGGAACGGCGTTACACAGCATCAC
 CGACCTGTCATTACAGGACCCAGAGCAAGTCCGCATGCAACACCATCGACTCTTCATTTCCCGACATCAC
 CCATTATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGCTATCACCCAGGAGCGTGA
 AGAATTTGTCCAACCTTGTCTGCCCTGATGCTGGTCAGCAGGCTGGACAGGTGGGGTTCCTCAATCCCAAT
 GGGAGCAGCCAAGGCAAGGTGCACAACCCATTCCTTCCACCCCAATGTTGCCACCGCCACCGCCACCAC
 CGATGGCCAGGCCTGTGCTCTGCCGTGCCAGACACAAAGCCTCCAACCACTCAACAGAAAGGAGGTGC
 AGCCTCCCCACGTCACCAACCTACTCGACACCCAGCACCTCCCCGCAAACCGATTTCGTCAGTGTGGA
 CCACGGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225878 representing NM_001134673
 Red=Cloning site Green=Tags(s)

MYSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKMSKEEERAVKDELLSEKPEVKQK
 WASRLLAKLRKDIRPEYREDFVLTVTGKKPPCCVLSNPDQKGMRRIDCLRQADKVVRLDLVMVILFKGI
 PLESTDGERLVKSPQCSNPGLCVQPHHIGVSVKELDLYLAYFVHAADSSQSESPSQPSDADIKDQPENH
 LGFQDSFVTSVFSVTELVRSQTPIAAGTGPNFSLSDLESSYYSMSPGAMRRSLPSTSSTSKRLKS
 VEDEMDSPEEPFYTGQGRSPGSGSQSSGWHEVEPGMPSPTTLKKSEKSGFSSPSPSQTSSLGTAFTQHH
 RPVITGPRASPHATPSTLHFPTSPHIIQQPGPYFSHPAIRYHPQETLKEFVQLVCPDAGQQAGQVGFLLPN
 GSSQGVHNPFLPTPMLPPPPPPMARPVPLPVPDTPKPTTSTEGGAASPTSPTYSTPSTSPANRFVSVG
 PRDPSFVNIPQQTQSWYLG

TRTRPLE – GFP Tag – V

Chromatograms:

https://cdn.origene.com/chromatograms/ja3042_b12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001134673

ORF Size: 1527 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

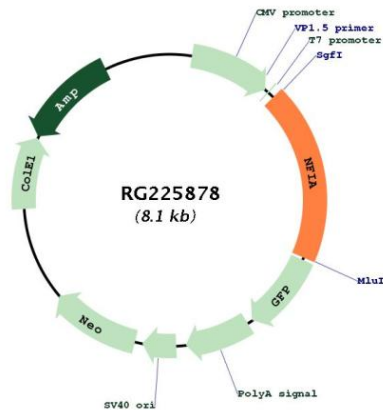
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001134673.4](#)
RefSeq Size: 9499 bp
RefSeq ORF: 1530 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]

Product images:



Circular map for RG225878