

## Product datasheet for **RC214284**

### NF2 (NM\_181829) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NF2 (NM_181829) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NF2
Synonyms:	ACN; BANF; merlin-1; SCH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC214284 representing NM\_181829  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCGGGGCCATCGTTCCCGCATGAGCTTCTCAAGAGGAAGCAACCAAGACGTTACCCG  
 TGAGGATCGTCACCATGGACGCCGAGATGGAGTTCAATTGCGAGATGAAGTGAAAGGGAAGGACCTCTT  
 TGATTTGGTGTGCCGACTCTGGGGCTCCGAGAAACCTGGTTCTTTGGACTGCAGTACACAATCAAGGAC  
 ACAGTGGCCTGGCTCAAATGGACAAGAAGGTAAGAAGCAGATTTTAGATGAAAAGATCTACTGCCCTC  
 CTGAGGCTTCTGTCTCTGGCTTCTTACGCCGTCAGGCAAGTATGGTACTACGACCCAGTGTTC  
 CAAGCGGGGATTTTGGCCCAAGAGGAATTGCTTCCAAAAGGGTAATAAATCTGTATCAGATGACTCCG  
 GAAATGTGGGAGGAGAGAATTACTGCTTGGTACGCAGACACCGAGGCCGAGCCAGGGATGAAGCTGAAA  
 TGGAATATCTGAAGATAGCTCAGGACCTGGAGATGTACGGTGTGAACACTTTGCAATCCGGAATAAAAA  
 GGGCACAGAGCTGCTGCTTGGAGTGGATGCCCTGGGGCTTACATTTATGACCCTGAGAACAGACTGACC  
 CCCAAGATCTCCTTCCCGTGAATGAAATCCGAAACATCTCGTACAGTGACAAGGAGTTTACTATTAAC  
 CACTGGATAAGAAAATTGATGTCTTCAAGTTAACTCCTCAAAGCTTCGTGTTAATAAGCTGATTCTCCA  
 GCTATGTATCGGGAACCATGATCTATTTATGAGGAGAAGGAAAGCCGATTCTTTGGAAAGTTCAGCAGATG  
 AAAGCCCAGGCCAGGGAGGAGAAGGCTAGAAAGCAGATGGAGCGGCAGCGCTCGCTCGAGAGAAGCAGA  
 TGAGGGAGGAGGCTGAACGCACGAGGGATGAGTTGGAGAGGAGGCTGCTGCAGATGAAAGAAGAAGCAAC  
 AATGGCCAACGAAGCACTGATGCGGTCTGAGGAGACAGCTGACCTGTTGGCTGAAAAGGCCAGATCACC  
 GAGGAGGAGGCAAACTTCTGGCCAGAAGGCCGAGAGGCTGAGCAGGAAATGCAGCGCATCAAGGCCA  
 CAGCGATTCTGCACGGAGGAGAGAAGCGCTGATGGAGCAGAAGGTGCTGGAAGCCGAGGTCTGGCCT  
 GAAGATGGCTGAGGAGTCAAGAGAGGAGGCCAAAGAGGCAGATCAGCTGAAGCAGGACCTGCAGGAAGCA  
 CGCGAGGCGGAGCGAAGGCCAAGCAGAAGCTCCTGGAGATTGCCACCAAGCCCACGTACCCGCCATGA  
 ACCCAATTCCAGCACCGTTGCCTCCTGACATACCAAGCTTCAACCTCATTGGTGACAGCTGTCTTTGCA  
 CTTCAAAGATACTGACATGAAGCGGCTTCCATGGAGATAGAGAAAAGAAAAGTGAATACATGGAAAAG  
 AGCAAGCATCTGCAGGAGCAGCTCAATGAACTCAAGACAGAAATCGAGGCCTTAAAAGTGAAGAGAGGG  
 AGACAGCTCTGGATATTCTGCACAATGAGAATCCGACAGGGGTGGCAGCAGCAAGCACAATACCATTAA  
 AAAGCCTCAAGCCCAAGGAGAAGACCTATCTGCATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC214284 representing NM\_181829  
 Red=Cloning site Green=Tags(s)

MAGAIASRMSFSSLKRKQPKFTTVRIVTMDAEMFNCEMKWKGKDLFDLVCRTLGLRETWFFGLQYTIKD  
 TVAWLKMDKKVKKQILDEKIYCPPEASVLLASYAVQAKYGDYDPSVHKRGFLAQEELLPKRVINLYQMTP  
 EMWEERITAWYAEHRGRARDEAEMEYLKIAQDLEMYGVNYFAIRNKKGTLLLLGVDALGLHIYDPENRLT  
 PKISFPWNEIRNISYSKDEFTIKPLDKKIDVFKFNSSKLRVNKLILQLCIGNHDLFMRRRKADSLEVVQM  
 KAQAREEKARKQMERQRLAREKQMRERTRDELERRLLQMKKEATMANEALMRSEETADLLAEKAQIT  
 EEEAKLLAQKAAEAQEMQRIKATAIRTEEEKRLMEQVLEAEVLALKMAEESERRAKEADQLKQDLQEA  
 REAERRAKQKLEIATKPTYPMPNPIPAPLPPDIPSFNLIIGDSL SFDKDTDMKRLSMEIEKEKVEYMEK  
 SKHLQEQLNELKTEIEALKKERETALDILHNENS DRGGSSKHNTIKKPQAQGRRPICI

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8066\\_g02.zip](https://cdn.origene.com/chromatograms/mk8066_g02.zip)

**Restriction Sites:**

Sgfl-Mlul



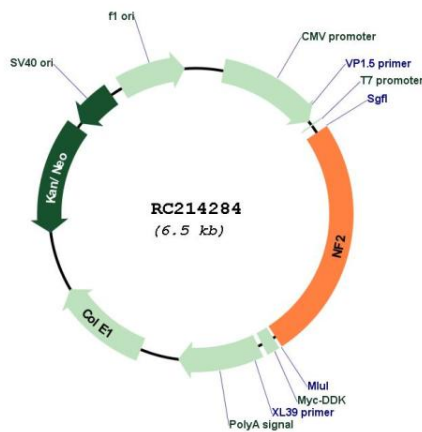
**Cytogenetics:** 22q12.2

**Protein Families:** Druggable Genome

**MW:** 64 kDa

**Gene Summary:** This gene encodes a protein that is similar to some members of the ERM (ezrin, radixin, moesin) family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. This gene product has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC214284