

Product datasheet for **SC205574**

NCF4 (NM_013416) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: NCF4 (NM_013416) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: NCF4
Synonyms: CGD3; NCF; P40PHOX; SH3PXD4
ACCN: NM_013416
Insert Size: 440 bp
Insert Sequence: >SC205574 3'UTR clone of NM_013416
The sequence shown below is from the reference sequence of NM_013416. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGAAGATCTCAGCAGCACTCCCCTATTGAAGACCTGCTGGAGCTCACAAGGGGGAGTCCAGAGAG
AGGACATAGCTCTGAATTACCGGGACGCTGAGGGGGATCTGGTTCGGCTGCTGTCCGATGAGGACGTAG
CGCTCATGGTGGCAGGCTCGTGGCCTCCCCTCCCAGAAGCGCCTCTCCCTGGAAAGCTGCACATCA
CGCAGAAGGACAACACTACAGGGTCTACAACACGATGCCATGAGCTGACGGTGTCCCTGGAGCAGTGAGGG
GACACCAGCAAAAACCTTCAGCTCTCAGAGGAGATTGGGACCAGGAAAACCTGGGAGGATGGGCAGACT
TCCTGTCTTTGAGGCTAATGGACCCGTGGGGCTTGAATCTGTCTCTTTCTACTATTTACATCTGATTT
AAATAAACCATTCATCTGAAAGGGG
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_013416.4](#)



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Summary:

The protein encoded by this gene is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2 (NCF2/p67-phox) to form a complex with neutrophil cytosolic factor 1 (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation. This complex then activates flavocytochrome b, the membrane-integrated catalytic core of the enzyme system. The PX domain of this protein can bind phospholipid products of the PI(3) kinase, which suggests its role in PI(3) kinase-mediated signaling events. The phosphorylation of this protein was found to negatively regulate the enzyme activity. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Locus ID:

4689

MW:

16.2