

Product datasheet for **SC321404**

NCF1 (NM_000265) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCF1 (NM_000265) Human Untagged Clone
Tag: Tag Free
Symbol: NCF1
Synonyms: CGD1; NCF1A; NOXO2; p47phox; SH3PXD1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000265.4
CGACTTCCTCTTTCCAGTGCATTTAAGGCGCAGCCTGGAAGTGCCAGGGAGCACTGGAGG
CCACCCAGTCATGGGGGACACCTTCATCCGTACATCGCCTGCTGGGCTTTGAGAAGCG
CTTCGTACCCAGCCAGCACTATGTGTACATGTTCTGGTAAATGGCAGGACCTGTCCGA
GAAGGTGGTCTACCGGCGCTTACCGAGATCTACGAGTTCATAAAACCTTAAAAGAAAT
GTTCCCTATTGAGGCAGGGGCGATCAATCCAGAGAACAGGATCATCCCCACCTCCCAGC
TCCCAAGTGGTTTGACGGGCAGCGGGCCGCGAGAACCAGCCAGGGCACACTTACCGAGTA
CTGCAGCAGCTCATGAGCCTGCCACCAAGATCTCCCGTGTCCCCACCTCCTCGACTT
CTTCAAGTGCGCCCTGATGACCTCAAGCTCCCCACGGACAACCAGACAAAAAGCCAGA
GACATACTTGATGCCAAAGATGGCAAGGTACCGCGACAGACATCACCGGCCCCATCAT
CCTGCAGACGTACCGGCCATTGCCAACTACGAGAAGACCTCGGGCTCCGAGATGGCTCT
GTCCACGGGGACGTGGTGGAGTTCGTAGAGAAGAGCGAGAGCGGTTGGTGGTCTGTCA
GATGAAAGCAAAGCGAGGCTGGATCCCAGCGTCTTCTCGAGCCCTGGACAGTCTGA
CGAGACGGAAGACCTGAGCCAACTATGCAGGTGAGCCATACGTCGCCATCAAGGCCTA
CACTGCTGTGGAGGGGACGAGGTGTCCCTGCTCGAGGGTGAAGCTGTTGAGGTCATTCA
CAAGCTCCTGGACGGCTGGTGGTTCATCAGGAAAGACGACGTACAGGCTACTTCCCCTC
CATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCAACGCCAGATCAAGCGGGG
GGCGCCGCCCCGAGGTCTCCATCCGCAACGCGCACAGCATCCACCAGCGGTCCGGGAA
GCGCCTCAGCCAGGACGCTATCGCCGCAACAGCGTCCGTTTTCTGCAGCAGCGACGCCG
CCAGGCGCGGCCGAGCCGAGAGCCCGGGAGCCCGCTCGAGGAGGAGCGGCAGACGCA
GGCTCTAAACCAGCCGCGGTGCCCCGCGGCCGAGCGCCGACCTCATCTGAACCG
CTGCAGCGAGAGCACCAAGCGGAAGCTGGCGTCTGCCGTCTGAGGCTGGAGCGCAGTCCC
CAGCTAGCGTCTCGGCCCTTGCCGCCCCGTGCCTGTACATACGTGTTCTATAGAGCCTGG
CGTCTGGACGCCGAGGGCAGCCCCGACCCCTGTCCAGCGCGGCTCCCGCCACCCTCAATA
AATGTTGCTTGGAGTGAIAAA
AAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_000265
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_000265.4 , NP_000256.3
RefSeq Size:	1409 bp
RefSeq ORF:	1173 bp
Locus ID:	653361
UniProt ID:	P14598
Cytogenetics:	7q11.23
Domains:	SH3, PX
Protein Pathways:	Chemokine signaling pathway, Fc gamma R-mediated phagocytosis, Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Gene Summary:	The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease. [provided by RefSeq, Jul 2008]