

Product datasheet for MC227516

Ncf1 (NM_001286037) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncf1 (NM_001286037) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncf1
Synonyms:	Ncf-1; NCF-47K; NOXO2; p47-phox; p47; p47phox
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227516 representing NM_001286037 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGACACCTTCATTCGCCATATTGCCCTGCTGGGCTTCGAGAAGCGCTTCATCCCCAGCCAGCACT
ATGTGTACATGTTCTGGTTAAGTGGCAGGACCTGTCGGAGAAGGTGGTCTACAGAAAATCACCGAGAT
CTACGAGTTCCATAAAAATGCTGAAGGAGATGTTCCCCATTGAGGCCGGCAGATCCACACAGAGAACAGA
GTCATCCACACCTCCCGCACCCAGGTGGTTTGGATGGGCAACGAGCCGCTGAGAGTCGCCAGGGCACTC
TCACTGAATACTCAACGGCCTCATGGGACTGCCCGTGAAGATCTCCCGTGCCACACCTGCTGGACTT
CTTCAAAGTGC GGCTGATGACCTGAAACTGCCCACTGACAGCCAGGCGAAGAAGCTGAGACATACCTG
GTGCCAAAGATGGCAAGAATAACGTAGCTGACATCACAGGCCCATCATCCTTCAGACCTATCGGGCCA
TTGCTGACTACGAGAAGAGTTCGGGAACAGAGATGACCGTGGCAACCGGAGACGTGGTGGACGTTGTGGA
GAAGAGCGAGAGCGGCTGGTGGTTTTGCCAGATGAAGACAAAGCGAGGTTGGGTCCCTGCATCCTATCTG
GAGCCCTTGACAGTCCCGACGAGGCGGAGGATCCGGATCCCAACTACGCAGGTGAACCGTATGTAACCA
TCAAAGCGTACGCTGCTGTTGAAGAGGACGAGATGTCCCTGTCTGAGGGTGAAGCCATTGAGGTCATTCA
TAAGCTCCTGGATGGCTGGTGGTGGTGCAGAAAGGGGATATCACCGGCTATTTCCCATCCATGTATCTG
CAGAAGGCTGGGAGGAGATAACCCAGGCCAGCGACAGATCAGAGGCCGGGGCCACCCTCGAAGGT
CGACCATCCGCAACGCACAGAGCATCCACCAGCGTTCTCGGAAGCGCCTTAGCCAGGACACCTATCGCCG
CAACAGCGTCCGATTCTGCAGCAGCGCAGACGCCGGGGCGACCCGGGCGCTGAGCACGGATGGCACA
AAGGGTGAGCGCCAGGGCGGGCCGGGCTGGGCTGGAGGGCAGAGACAATCCATCGACTCCGCGGTCA
AACCACAGCCCGGTCCTCCGCGACCCAGCTCGGACCTCATCTGCACCGCTGCACAGAGAGCACCAA
ACGGAAGCTGACGTCGGCTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3319_f02.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286037
Insert Size:	1215 bp
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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286037.1 , NP_001272966.1
RefSeq Size:	2764 bp
RefSeq ORF:	1215 bp
Locus ID:	17969
UniProt ID:	Q09014
Cytogenetics:	5 74.47 cM
Gene Summary:	NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).