

Product datasheet for MR229727

Ncf1 (NM_001286037) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncf1 (NM_001286037) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ncf1
Synonyms:	Ncf-1; NCF-47K; NOXO2; p47-phox; p47; p47phox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229727 representing NM_001286037 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGACACCTTCATTGCCATATTGCCCTGCTGGGCTTCGAGAAGCGCTTCATCCCCAGCCAGCACT
ATGTGTACATGTTCTGGTTAAGTGGCAGGACCTGTCGGAGAAGGTGGTCTACAGAAAATCACCGAGAT
CTACGAGTTCCATAAAATGCTGAAGGAGATGTTCCCATTTGAGGCCGGCGAGATCCACACAGAGAACAGA
GTCATCCACACCTCCCGCACCCAGGTGGTTTGTATGGGCAACGAGCCGCTGAGAGTCGCCAGGGCACTC
TCACTGAATACTTCAACGGCCTCATGGGACTGCCCGTGAAGATCTCCCGCTGCCACACCTGCTGGACTT
CTTCAAAGTGCGGCTGATGACCTGAAACTGCCACTGACAGCCAGGCGAAGAAGCCTGAGACATACCTG
GTGCCAAAGATGGCAAGAATAACGTAGCTGACATCACAGGCCCATCATCCTTCAGACCTATCGGGCCA
TTGCTGACTACGAGAAGAGTTCGGGAACAGAGATGACCGTGGCAACCGGAGACGTGGTGGACGTTGTGGA
GAAGAGCGAGAGCGGCTGGTGGTTTTGCCAGATGAAGACAAAGCGAGGTTGGGTCCCTGCATCCTATCTG
GAGCCCCTTGACAGTCCCGACGAGGCGGAGGATCCGGATCCCAACTACGCAGGTGAACCGTATGTAACCA
TCAAAGCGTACGCTGCTGTTGAAGAGGACGAGATGTCCTGTCTGAGGGTGAAGCCATTGAGGTCATTCA
TAAGCTCCTGGATGGCTGGTGGTGGTTCAGGAAAGGGGATATCACCGGCTATTTCCCATCCATGTATCTG
CAGAAGGCTGGGAGGAGATAAACCAGGCCAGCGACAGATCAGAGGCCGCGGGGACCACCTCGAAGGT
CGACCATCCGCAACGCACAGAGCATCCACCAGCGTTCTCGGAAGCGCCTTAGCCAGGACACCTATCGCCG
CAACAGCGTCCGATTCTGCAGCAGCGCAGACGCCCGGGGCGACCCGGGCGGCTGAGCACGGATGGCACA
AAGGGTGAGCGCCAGGGCGGGCCGGGCTGGGCTGGAGGGCAGAGACAATCCATCGACTCCGCGGTCA
AACCACAGCCCGGTGCCTCCGCGACCCAGCTCGGACCTCATCTGCACCGCTGCACAGAGACACCAA
ACGGAAGCTGACGTCGGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

ORF Size:	1212 bp
OTI Disclaimer:	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:	<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
MW:	46.5 kDa
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]