

## Product datasheet for **MC206291**

### Ncf4 (BC025517) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ncf4 (BC025517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncf4
Synonyms:	AI451400; p40phox
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC025517  
 CCACGCGTCCGAACCTCGGCTGGATCTGGTTGGGCAAGGCCCATCCATCTGCTTTTCTGACTACCCAC  
 AGCCATGGCCCTGGCCCAGCAGCTGCGATCAGAGAGCGACTTTGAGCAGCTTCCAGACGATGTGGCCGTC  
 TCAGCCAAACATCGCTGACATCGAGGAGAAGAGAGGCTTACCAGCCACTTTGTTTTTGTATCGAGGTCA  
 AAACAAAAGGAGGGTCCAAGTATCTCATCTACCGCGCTATCGCCAGTTCTACGCCCTGCAGAGCAAGCT  
 GGAGGAGCGGTTTGGGCCAGAGCAAGAACAGCCCTTTCACCTGCAACCTGCCACATTGCCAGCCAAA  
 GTCTACATGGGCGCAAAACAAGAGATCGCTGAGACTCGGATCCCGGCCCTCAATGCCTACATGAAGAACC  
 TCCTGAGCCTGCCGCTGCGTGTGATGGACCCGACGTCAGGATCTTCTTCTATCAGTCTGCATACGA  
 TGCTGAGCAGGTGCCAGGCACTCCGACGGCTCCGACCGCGCACGCGCAAAATCAAGGGTGTGTCTCCA  
 CAAGGGGCCATCATGGATCGCATGGAAGCGCCAAGAGCAGAGGCCTTGTGACTTCACTGGGAACAGCA  
 AATTGGAGCTAAGTTTCAAAGCTGGAGATGTGATCTTCTTCTCAGTAAGATCAACAAAGACTGGCTGGA  
 GGGCACCTCCCAGGGAGCCACAGGCATCTTCCCAGGGTCTTTCGTGAAGATCCTTAAGGACTTTCCCGAG  
 GACGAGGACACCAACTGGCTACGATGCTACTTCTATGAAGACACAGGCAAAACCATCAAGGACATTG  
 CGGTGGAGGAGGACCTCAGCAGCACGCCCTGTTCAAAGACCTGTAGCGCTCATGAGGCGTGAGTTCCA  
 GAGAGAAGACATCGCCCTTAGCTACCAGGATGCTGAGGGGACTTGGTTAGGCTGCTGCAGATGAGGAT  
 GTGGGACTCATGGTGAAGCAAGCCCAGGCCTCCCTTCCCAGAAGCGCCTTCCCCTGGAAGCTGCATG  
 TCACACAGAAGGACAACACTACAGTGTCTACAACACTGTCCCCTGAGTCACAGGGACCTGTGGCAAGGACG  
 GGGTGTCTAGCAAAGGGCCTTTACTTTCCAAGAACACGGAGACCTTCAGGGAGACTGATGTAAGATGCAA  
 ACCTCCTGGCCCAGAGTGCCTACTGGACAGGATTCTATTAAGTTTTTGACACTCTACCTTTGGATTCAA  
 TAAACCATTCTGTCTCTAAGGGCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	EcoRI-NotI
ACCN:	BC025517
Insert Size:	1020 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025517</a> , <a href="#">AAH25517</a>
<b>RefSeq Size:</b>	1301 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	17972
<b>Cytogenetics:</b>	15 37.1 cM
<b>Gene Summary:</b>	Component of the NADPH-oxidase, a multicomponent enzyme system responsible for the oxidative burst in which electrons are transported from NADPH to molecular oxygen, generating reactive oxidant intermediates. It may be important for the assembly and/or activation of the NADPH-oxidase complex.[UniProtKB/Swiss-Prot Function]