

## Product datasheet for **SC323119**

### **NCF2 (NM\_001127651) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NCF2 (NM_001127651) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCF2
Synonyms:	NCF-2; NOXA2; P67-PHOX; P67PHOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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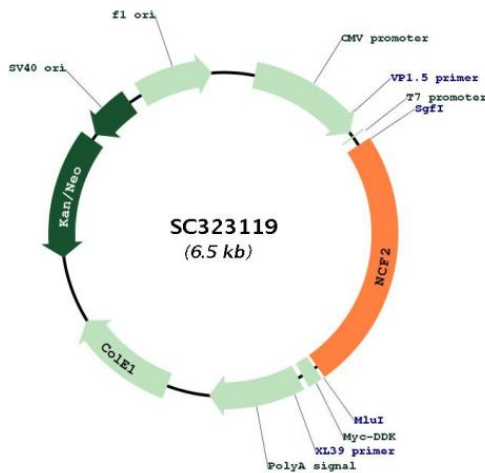
Fully Sequenced ORF: >SC323119 representing NM\_001127651.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCCTGGTGGAGGCCATCAGCCTCTGGAATGAAGGGGTGCTGGCAGCGGACAAGAAGGACTGGAAG
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TACACTATCCTGAAGAACATGACTGAAGCAGAGAAGCCCTTACCAGAAGCATTAAACCGAGACAAGCAC
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CCAAAGTTTTTGTGAAGACTGCGCAACTACAGATTTGGAAAGCACTCGGAGAGAAGCTTAG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001127651

<b>Insert Size:</b>	1581 bp
<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>OTI Annotation:</b>	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.
<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="#">NM_001127651.2</a>
<b>RefSeq Size:</b>	2257 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	4688
<b>UniProt ID:</b>	<a href="#">P19878</a>
<b>Cytogenetics:</b>	1q25.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Leukocyte transendothelial migration
<b>MW:</b>	59.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform 1.</p>