

Product datasheet for **RN212626**

Ncf2 (NM_001100984) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncf2 (NM_001100984) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ncf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212626 representing NM_001100984
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTAGCTGAGGCCATCAGGCTCTGGAATGAGGGGTGCAGGCAGCCGACAAGAAGGACTGGAAGG
 GTGCCTTGAGAGCCTTCAGCGAGGTGCAGGACCCCACTCGAGGATTTGCTTCAACATAGGCTGCATGTA
 CACCATCTGGACAACCTGCAGGAGGCTGAGCAGGCCTTCACCAAAAGCATCAACAGAGACAAGCACTTG
 GCAGTGGCTTACTTCCAGCGAGGAATGCTCTACTACAGCATGGAGAAGTACCGTCCAGCTTCTGTGGGTA
 GGAAGGCTGCCTTGCTCTTTCTGGGCAGTTATACTTAGTAGCTAGAATAATTGTTGGTTATCCCCTCAG
 TCCTGGGAAAGTGTGTATAACATCGCTCTCATGCATGCCAAGAAAGAGGAATGGAAAAAGCAGAAGAG
 CAGTTAGCATTGGCAACAAACATGAAGTCTGAGCCAGGCATTCCAAGATTGACAAGGCCATGGAAAGCA
 TCTGGAAGAGGTGCTACCTCCCATCTCCCTCTGGATCTCCACAAGTGACAATGGCTCTGTGGTTTGA
 GGAAGGAGGAGTGGGCAACGGAGCGTTGTAGCCTCTGTGGTTCACCAAGACAATTTTTCTGGCTTCGCC
 CCTCTGCAGCCACAGTCAGCAGAGCCTCCGCCAGACCCAAAACCCAGAGATCTTCAGGGCTCTGGAAG
 GCGAGGCACATCGTGTGTGTTTGGCTTTGTGCCGGAGACGCCGGAAGAACTACAGGTATGCCCGGGA
 CATCGTCTTTGTCTTGAAGAAGGGCAGTGATAACTGGGCCACCGTCATGTTCAACGGACAGAAGGGGCTT
 GTCCCTTGCAACTACCTGGAGCCCGTTGAGCTTCGAATTCACCCTCAGTCGCAGCCTCAGGAAGATACCT
 CCCTGGAATCCGATATCCACCACCTCCTAACTCTAGTCCCCAGAAAGACTCCAGTTGTCACCAGGATG
 GTGCCAACAGCTCGGCCCACTAAGGTGCTCCTCCCTCCTCCACCAGGAAGTGAAGCGCAGCGTGCC
 ATGCCTTACATGCTCAAGGTGCATTACAAATACACAGTGGTCATGGAGACTCAGCTTGGCTCCCCTACA
 GCCAGCTTCGGAACATGGTGTCTAAGAAGCTGGAGCTCTTGCCAGAACACACTAACTGAGCTACCAGCG
 TCGGGACAGCCCGGAGCTGCTGCTCCTGTGCAAGAAAGCATGAAGGATGCCTGGGCCCAAGTGAAAAAC
 TACTGCCTGACCCTCTGGTGTGAGCACACAGTGGGTGATCAAGGTTTTGTAGATGAACCCAGGAAAGG
 AAAACTCTGATGCCGATAACCGGACAACAGAGCCTCAGCCTAAGGAAGGGACCCAGGTGGTAGCGATCTT
 CAGTTATGATGCTACCCAGCCAGAAGACCTGGAGTTTGTGAAGGAGATGTGATCTTGGTGTATCACAT
 GTGAATGAAGAATGGCTGGAAGGGGAGTGTAAAGGAAAATTGGCATTTCCTAAAGCTTTTGTGAAG
 GATGTGCAGCCAAGAATTTGAAGGCACTCCAGAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1683_e10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001100984

Insert Size: 1584 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).

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:	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:	<u>NM_001100984.1, NP_001094454.1</u>
RefSeq Size:	1584 bp
RefSeq ORF:	1584 bp
Locus ID:	364018
UniProt ID:	<u>A7E3N2</u>
Cytogenetics:	13q21
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]