

Product datasheet for **RR205963**

Ncf4 (NM_001127304) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ncf4 (NM_001127304) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ncf4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205963 representing NM_001127304
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTGGCCAGCAGCTGCGATCAGAGAGCGATTTGAGCAGCTCCAGATGATGTGGCCATCTCAG
CCAACATCGCTGACATCGAGGAGAAGAGGGCTTCACCAGCCACTTTGTGTTTGCATCGAGGTAAGAC
AAAAGGAGGATCCAAGTATCTCATCTACCGCCGATATCGCCAGTTCTACGCCCTGCAGAGCAAGCTGGAG
GAGCGGTTTGGACCAGAGCAAGAACAGCCATTACCTGCAGCCTGCCACACTGCCAGCCAAAGTCT
ACATGGGTGTCAAACAAGAGATTGCTGAGACTCGGATCCCGGCCCTCAATGCCTACATGAAGAACCCTCT
GAGCCTGCCGGTCTGCGTGTGATGGACCCGACGTCAGAATATTCTTCTATCAGTCTGCTTACGACGCA
GAGCAGGTGCCTCAGGCACTTCGTAGGCTCCGACCGCGCACGCGCAAAATCAAGGGCGTGACTCCACAAG
GGCCCAGCATGGACCGCATGGAAGCTCCAAGAGCAGAGGCCTTGTGTTGACTTCACTGGGAACAGCAA
GGAGCTAAGTTTCAAAGCTGGAGATGTGATCTTCTTCTCAGTAAGATCAACAAAGACTGGTTGGAGGGC
ACAACCCAGGGAGCCACAGGCATCTTCCAGGGTCTTTCGTGAAGATCCTCAAGGACTTCCCGAAGACG
AGGACACTACCAACTGGCTGCGATGCTACTTCTACGAAGACACAGGCAAAACCATCAAGGACATTGCAGT
GGAGGAGGACCTCAGCAGCACCCCTGTCAAAGACCTGCTAGCACTCATGAGGCGTGAATCCAGAGA
GAGGACATTGCCCTAATTACCAAGATGCTGAGGGGGACCTGGTTCGGCTGCTGTGATGAGGATGTGG
GACTCATGGTGAAGCAGGCCAAGGCCTCCCTCCAGAAGCGCCTCTTCCCTGGAAAGTGCACGTCAC
CCAGAAGGACAATTACGGTGTCTACAACACCGTACCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205963 representing NM_001127304
 Red=Cloning site Green=Tags(s)

MALAAQLRSESDFEQLPDDVAISANIADIEEKRGFTSHFVVFVIEVKTGGGSKYL IYRRYRQFYALQSKLE
 ERFGPESKNSPFTCSLPTLPKAVYMGVKQEIAETRI PALNAYMKNLLSLPVCVLMDDPDRIFFFYQSAYDA
 EQVPQALRRLRPTRKIKGVTPQGPSMDRMEAPRAEALFDFTGNSKLELSFKAGDVIFLLSKINKDWLEG
 TTQGATGIFPGSFVKILKDFPEDEDTTNWLRCYFYEDTGKTIKDIAVEEDLSSTPLFKDLLALMRREFQR
 EDIALNYQDAEGDLVRLLSDEDVGLMVKQAQGLPSQKRLFPWKLHVTQKDNYGVYNTVP

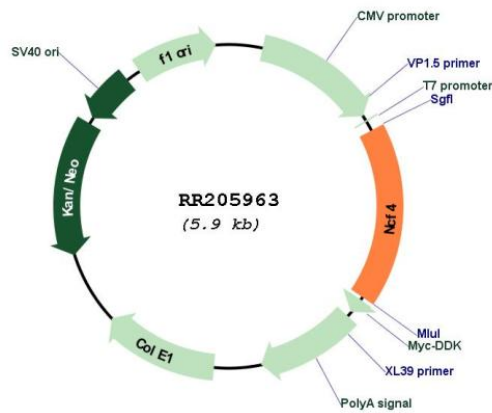
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127304

ORF Size:	1017 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_001127304.1 , NP_001120776.1
RefSeq Size:	1496 bp
RefSeq ORF:	1020 bp
Locus ID:	500904
Cytogenetics:	7q34
MW:	38.7 kDa