

Product datasheet for **RR213536**

Nr2f2 (NM_080778) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr2f2 (NM_080778) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr2f2
Synonyms:	Tfcoup2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213536 representing NM_080778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGGACCCCCAGGACGAGGTGCCCGGCTCTCAGGGCAGCCAGGCCCT
CGCAGGGCGCCCGTCCCGGGCCCGCCGCTGGCGCCCCGCACAGCCACAGACGCCGGGCAAGGGG
CCCGGCCAGCACGCCGGCCAGACAGCGGCTGGCAGCCAGGGCGGCCCTGGCGGCCAGGCAGCGACAAA
CAGCAGCAGCAGCACATCGAGTGCCTGGTGTGCGGGGACAAGTCGAGCGCAAGCACTACGGCCAGT
TCAGTGGCAGGGCTGCAAGAGTCTTCAAGCGCAGCGTGGGAGGAACCTGAGCTACAGTGGCCGC
CAACCGAACTGTCCCATCGACCAGCACCCGCAACCAAGTGGCAGTACTGCCGCTCAAAAAGTGCCTC
AAAGTGGGCATGAGACGGGAAGCTGTACAGAGGGGAGGATGCCGCCACCCAGCCTACTCACGGGCAGT
TTGCACTGACCAACGGGGACCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGTGCG
CGCGGAGCCCTACCCACGTCCGCTTCGGCAGTCAGTGCATGCAGCCTAACAACATCATGGGCATCGAG
AACATTTGCGAACTGGCCGACGGATGCTCTTCAGCGCGTTGAGTGGGCCCGGAACATCCCTTCTTCC
CTGACCTGCAGATCACGGACCAGGTGGCCCTCCTTCGCTCACCTGGAGCGAGCTGTTGTTGATGTC
AGCACAGTGTCCATGCCCTCCATGTTGCCCGCTCCTGGCGCTGCTGGCCTGCACGCTTACCCATG
TCAGCCGACCGGGTGGTGCCTTTATGGACCACATACGGATCTTCAAGAGCAAGTGGAGAAGCTCAAGG
CACTGCACGTCGACTCCGCGAGTACAGTGCCTCAAGGCATAGTCTGTTACCTCAGATGCCTGTGG
TCTGTCTGATGTAGCCCAGTGGAAAGTTTGCAGGAAAAGTCCCAGTGTGCTTTGGAAGAGTACGTTAGG
AGCCAGTACCCCAACAGCCAACACGGTTCGAAAGCTTTTGCTTCGCTCCCTCCCTCCGACGGTCT
CCTCCTCAGTCATAGAGCAATGTTTTTCGTCGTTTGGTAGGTAACCCCATCGAAACCTCATCCG
GGATATGTTACTGTCCGGCAGCAGTTTTAACTGGCCATACATGGCAATTCAA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213536 representing NM_080778
 Red=Cloning site Green=Tags(s)

MAMVVSTWRDPQDEVPGSQGSQASQAPPVPGPPGAPHTPQTTPGQGGPASTPAQTAAQSQGGPGGPGSDK
 QQQQHHIECVVCGDKSSGKHYGQFTCEGCKSFVKRSVRRNL SYTCRANRNCPIDQHHRNQCYCRLKKCL
 KVGMRREAVQGRMPPTQPTHGQFAL TNGDPLNCHSYLSGYISLLLRAEYPYTSRFGSQCMQPNNIMGIE
 NICELAARMLFSAVEWARNIPFFPDLQITDQVALLRLTWESEFVLNAAQCSMPLHVAPLLAAAGLHASP
 SADRVVAFMDHIRIFQEQVEKALKALHVDSAEYSCLKAIVLFTSDACGLSDVAHVESLQEKSQCALEEYVR
 SQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTPJETLIRDMLLSGSSFNWPYMAIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_080778

ORF Size: 1242 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:

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_080778.2](#), [NP_542956.1](#)

RefSeq Size: 1571 bp

RefSeq ORF: 1245 bp

Locus ID: 113984

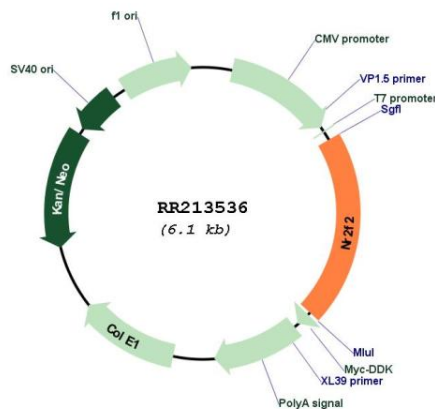
UniProt ID: [O09018](#)

Cytogenetics: 1q31

MW: 45.6 kDa

Gene Summary: transcriptional activator or repressor; involved in determining the metabolic phenotype of hepatic cells [RGD, Feb 2006]

Product images:



Circular map for RR213536