

Product datasheet for RC206753

NR2F2 (NM_021005) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2F2 (NM_021005) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR2F2
Synonyms:	ARP-1; ARP1; CHTD4; COUPTF2; COUPTFB; COUPTFII; NF-E3; SRXX5; SVP40; TFCOUP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206753 representing NM_021005 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGGACCCCCAGGACGAGGTGCCCGGCTCACAGGGCAGCCAGGCCCT
CGCAGGGCGCCCGTGCCCGGCCCGCCCGGCCCGCCCGCACACGCCACAGACGCCCGGCCAAGGGG
CCCAGCCAGCACGCCAGCCAGCCAGCGGGCCGGTGCCAGGGCGGCCCTGGCGGCCCGGGTAGCGACAAG
CAGCAGCAGCAGCAACACATCGAGTGCCTGGTGTGCGGAGACAAGTCGAGCGCAAGCACTACGGCCAGT
TCAGTGGCAGGGCTGCAAGAGCTTCTCAAGCGCAGCGTGCCGAGGAACCTGAGCTACAGTGGCCGC
CAACCGAACTGTCCATCGACCAGCACCATCGCAACCAAGTCCAGTACTGCCGCTCAAAAAGTGCCTC
AAAGTGGGCATGAGACGGGAAGCGGTGCAGAGGGGAGGATGCCGCCGACCCAGCCGACCCACGGGAGT
TCGCGCTGACCAACGGGGATCCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGTTGCG
CGCGGAGCCCTATCCCACGTCCGCTTCGGCAGCCAATGCATGCAGCCCAACAACATCATGGGTATCGAG
AACATTTGCGAACTGGCCGCGAGGATGCTCTTCAGCGCCGTCGAGTGGGCCCGGAACATCCCCTTCTCC
CCGACCTGCAGATCACGGACCAGGTGGCCCTGCTTCGCTCACCTGGAGCGAGCTGTTTGTGTTGAATGC
GGCGCAGTGTCCATGCCCTCCACGTGCCCCGCTCCTGGCCCGCCCGGCTGCATGCTTCGCCATG
TCCGCCGACCGGGTGGTGCCTTTATGGACCACATACGGATCTTCAAGAGCAAGTGAGAAAGCTCAAGG
CGCTGCACGTTGACTCAGCCGAGTACAGCTGCCTCAAGGCCATAGTCTGTTACCTCAGATGCCTGTGG
TCTCTCTGATGTAGCCATGTGGAAGCTTGCAGGAAAAGTCTCAGTGTGCTTTGGAAGAATACGTTAGG
AGCCAGTACCCCAACCAGCCGACGAGATTGGAAGCTTTTGCTTCGCTCCCTCCCTCCGACCGTCT
CCTCCTCAGTCATAGAGCAATTGTTTTTCGTCGTTTGGTAGGTAACCCCATCGAAACCCTCATCCG
GGATATGTTACTGTCGGCAGCAGTTTTAACTGGCCGTATATGGCAATTCAA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206753 representing NM_021005
Red=Cloning site Green=Tags(s)

MAMVVSTWRDPQDEVPGSQGSQASQAPPVPGPPPAPHTPQTTPGQGGPASTPAQTAAAGQGGPGGPGSDK
 QQQQHHIECVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNL SYTCRANRNCPIDQHHRNQCYCRLKKCL
 KVGMRREAVQRGRMPPTQPTHGQFAL TNGDPLNCHSYLSGYISLLLRAEYPYTSRFGSQCMQPNNIMGIE
 NICELAARMLFSAVEWARNIPFFPDLQITDQVALLRLTWESEFVLNAAQCSMPLHVAPLLAAAGLHASPM
 SADRVVAFMDHIRIFQEQQEKLKALHVDSA EYSCLKAIVLFTSDACGLSDVAHVESLQEKSQCALEEYVR
 SQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTP IETLIRDMLLSGSSFNWPYMAIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8076_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_021005

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_021005.4](#)

RefSeq Size: 3049 bp

RefSeq ORF: 1245 bp

Locus ID: 7026

UniProt ID: [P24468](#)

Cytogenetics: 15q26.2

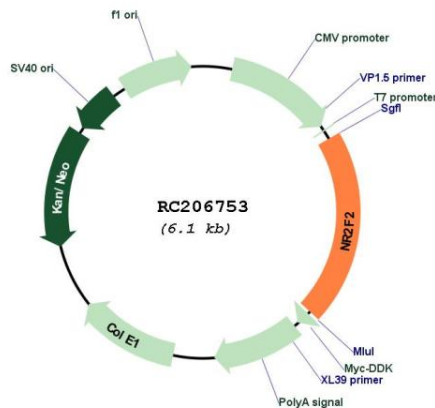
Domains: HOL1, zf-C4

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

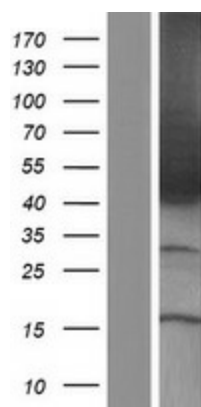
MW: 45.4 kDa

Gene Summary: This gene encodes a member of the steroid thyroid hormone superfamily of nuclear receptors. The encoded protein is a ligand inducible transcription factor that is involved in the regulation of many different genes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC206753



Western blot validation of overexpression lysate (Cat# [LY412132]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206753 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).