

Product datasheet for **RG206753**

NR2F2 (NM_021005) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR2F2 (NM_021005) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR2F2
Synonyms:	ARP-1; ARP1; CHTD4; COUPTF2; COUPTFB; COUPTFII; NF-E3; SRXX5; SVP40; TFCOUP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206753 representing NM_021005 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGGACCCCCAGGACGAGGTGCCCGGCTCACAGGGCAGCCAGGCCCT
CGCAGGGCCGCCCGTGCCCGGCCCGCCCGGCCCGCCCGCACACGCCACAGACGCCCGGCAAGGGG
CCCAGCCAGCACGCCAGCCAGCCAGCGGGCCGGTGGCCAGGGCGGCCCTGGCGGCCGGGTAGCGACAAG
CAGCAGCAGCAGCAACACATCGAGTGCCTGGTGTGCGGAGACAAGTCGAGCGCAAGCACTACGGCCAGT
TCAGTGGCAGGGCTGCAAGAGCTTCTCAAGCGCAGCGTGGGAGGAACCTGAGCTACAGTGGCCGC
CAACCGGAAGTGTCCATCGACCAGCACCATCGCAACCAGTGCCAGTACTGCCGCTCAAAAAGTGCCCTC
AAAGTGGGCATGAGACGGGAAGCGGTGCAGAGGGGAGGATGCCGCCGACCCAGCCGACCCACGGGAGT
TCGCGCTGACCAACGGGGATCCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGTTGCG
CGCGGAGCCCTATCCCACGTGCGCTTCGGCAGCCAATGCATGCAGCCCAACAACATCATGGGTATCGAG
AACATTTGCGAACTGGCCGCGAGGATGCTCTTCAGCGCGTCGAGTGGGCCCGGAACATCCCCTTCTCC
CCGACCTGCAGATCACGGACCAGGTGGCCCTGCTTCGCTCACCTGGAGCGAGCTGTTTGTGTTGAATGC
GGCGCAGTGTCCATGCCCTCCACGTGCCCCGCTCCTGGCCCGCCCGGCTGCATGCTTCGCCATG
TCCGCCGACCGGGTGGTGCCTTTATGGACCACATACGGATCTTCAAGAGCAAGTGAGAGACTCAAGG
CGCTGCAGTTGACTCAGCCGAGTACAGCTGCCTCAAGGCCATAGTCTGTTACCTCAGATGCCTGTGG
TCTCTCTGATGTAGCCATGTGGAAGCTTGCAGGAAAAGTCTCAGTGTGCTTTGGAAGAATACGTTAGG
AGCCAGTACCCCAACCAGCCGACGAGATTGGAAGCTTTTGCTTCGCTCCCTCCCTCCGACCGTCT
CCTCCTCAGTCATAGAGCAATTGTTTTTCGTCGTTTGGTAGGTAACCCCATCGAAACCCTCATCCG
GGATATGTTACTGTCGGCAGCAGTTTTAACTGGCCGTATATGGCAATTCAA

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206753 representing NM_021005
Red=Cloning site Green=Tags(s)

MAMVVSTWRDPQDEVPGSQGSQASQAPPVPGPPPAPHTPQTGQGGPASTPAQTAAAGQGGPGGPGSDK
 QQQQHHIECVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNL SYTCRANRNCPI DQHHRNQCYCRLKKCL
 KVGMRREAVQGRMPPTQPTHGQFAL TNGDPLNCHSYLSGYISLLLRAEYPYTSRFGSQCMQPNNIMGIE
 NICELAARMLFSAVEWARNIPFFPDLQITDQVALLRLTWESELFVLNAAQCSMPLHVAPLLAAAGLHASP
 M SADRVAFM D HIRIFQE QVEK LKALHVDSAEYSCLKAIVLFTSDACGLSDVAHVESLQEK SQCALEEYVR
 SQYPNQPTRFGKLLRLPSLRTVSSSVIEQLFFVRLVGKTP IETLIRDMLLSGSSFNWPYMAIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

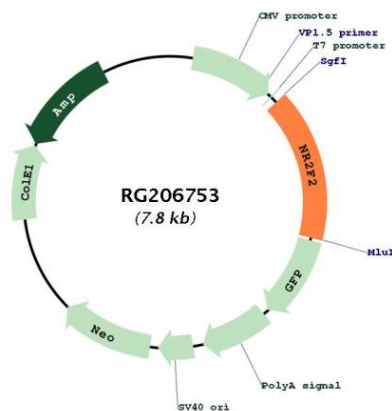
Cytogenetics: 15q26.2

Domains: HOLI, zf-C4

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

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 RG206753