

## Product datasheet for **RC226714**

### NR2F2 (NM\_001145156) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NR2F2 (NM_001145156) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR2F2
Synonyms:	ARP-1; ARP1; CHTD4; COUPTF2; COUPTFB; COUPTFII; NF-E3; SRXX5; SVP40; TFCOUP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226714 representing NM_001145156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAATGGTAGTCAGCACGTGGCGGACCCCCAGGACGAGGTGCCCGGCTCACAGGGCAGCCAGGCCCT  
CGCAGGGCGCCCGTGCCTGGCCGCGCCCGCCCGCCGCGCCCGCACACGCCACAGACGCCCGGCCAAGGGG  
CCCAGCCAGCACGCCAGCCAGACGGCGCGCGGTGCCAGGGCGGCCCTGGCGGCCCGGGTAGCGACAAG  
CAGCAGCAGCAGCAACACATCGAGTGCCTGGTGTGCGGAGACAAGTCGAGCGGCAAGCACTACGGCCAGT  
TCACGTGCGAGGGCTGCAAGAGCTTCTCAAGCGCAGCGTGGGAGGAACCTGAGCTACACGTGCCGCGC  
CAACCGGAACTGTCCCATCGACCAGCACCATCGCAACCAGTGCCAGTACTGCCGCCTCAAAAAGTGCCTC  
AAAGTGGGCATGAGACGGGAAGCGGTGCAGAGGGGCGAGGATGCCGCCGACCCAGCCGACCCACGGGCAGT  
TCGCGTGACCAACGGGGATCCCCTCAACTGCCACTCGTACCTGTCCGGATATATTTCCCTGCTGTTGCG  
CGCGGAGCCCTATCCACGTGCGCTTCGGCAGCCAATGCATGCAGCCCAACAACATCATGGGTATCGAG  
AACATTTGCGAACTGGCCGCGAGGATGCTCTTCAGCGCCGTGAGTGGGCCGGAACATCCCCTTCTTCC  
CCGACCTGCAGATCACGGACCAGGTGGCCCTGCTTCGCCTCACCTGGAGCGAGCTGTTGTGTTGAATGC  
GGCGCAGTGCTCCATGCCCTCCAGTCGCCCCGCTCCTGGCCGCGCCGCGCTGCATGCTTCGCCATG  
TCCGCCGACCGGGTGGTGCCTTTATGGACCACATACGGATCTTCCAAGGCAAGTGGAGAAGCTCAAGG  
CGCTGCACGTTGACTCAGCCGAGTACAGCTGCCTCAAGGCCATAGTCTGTTACCTCAGATGCCTGTGG  
TCTCTGATGTAGCCATGTGGAAAGCTTGCAGGAAAAGTCTCAGTGTGCTTTGGAAGAATACGTTAGG  
AGCCAGTACCCCAACCAGCCGACGAGATTCGAAAGCTTTTGCTTCGCCTCCCTCCCTCCGACCCGTCT  
CCTCCTCAGTCATAGAGCAATTGTTTTTCGTCGTTTGGTAGGTAACCCCATCGAAACCCTCATCCG  
GGATATGTACTGTCCGGCAGCAGTTTTAACTGGCCGTATATGGCAATTCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC226714 representing NM\_001145156  
 Red=Cloning site Green=Tags(s)

MAMVVSTWRDPQDEVPGSQGSQASQAPPVPGPPGAPHTPQTTPGQGGPASTPAQTAAAGQGGPGGPGSDK  
 QQQQHHIECVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNL SYTCRANRNCPIDQHHRNQCYCRLKKCL  
 KVGMRREAVQRGRMPPTQPTHGQFAL TNGDPLNCHSYLSGYISLLLRAEYPYTSRFGSQCMQPNNIMGIE  
 NICELAARMLFSAVEWARNIPFFPDLQITDQVALLRLTWESEFVLNAAQCSMPLHVAPLLAAAGLHASP  
 M SADRVVAFMDHIRIFQEQQVEKLKALHVDSAEYSCLKAIVLFTSDACGLSDVAHVESLQEKSQCALEEYVR  
 SQYPNQPTRFGKLLLRPLSLRTVSSSVIEQLFFVRLVGKTPIETLIRDMLLSGSSFNWPYMAIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

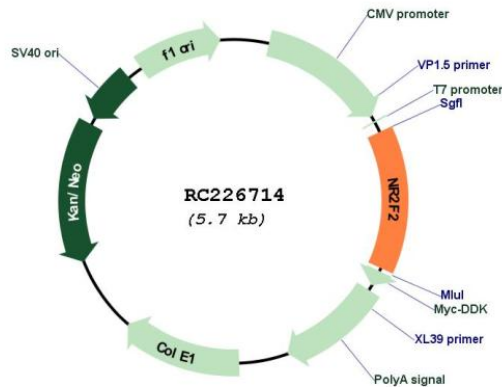
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001145156

<b>ORF Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001145156.1</a> , <a href="#">NP_001138628.1</a>
<b>RefSeq Size:</b>	3501 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	7026
<b>UniProt ID:</b>	<a href="#">P24468</a>
<b>Cytogenetics:</b>	15q26.2
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>MW:</b>	45.6 kDa
<b>Gene Summary:</b>	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]