

Product datasheet for **RC217590**

NR5A2 (NM_205860) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR5A2 (NM_205860) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR5A2
Synonyms:	B1F; B1F2; CPF; FTF; FTZ-F1; FTZ-F1beta; hB1F-2; LRH-1; LRH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC217590 representing NM_205860.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTTCAATTCAGATACTGGGGATTTACAAGAGTCTTTAAAGCACGGACTTACACCTATTGGTGCT
GGGCTTCCGGACCGACACGGATCCCCATCCCCGCCCGGGTGCCTTGTGCATGCTGCCAAAGTGGAG
ACGGAAGCCCTGGGACTGGCTCGATCGCATGGGGAACAGGGCCAGATGCCGGAACATGCAAGTGTCT
CAATTTAAATGGTGAATTA
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ACTCTATGATGAAGATCTGGAAGAGCTTTGTCCCGTGTGTGGAGATAAA
 GTGTCTGGGTACCATTATGGGCTTCTCACCTGTGAAAGCTGCAAGGGATTTTTAAAGCGAACAGTCCAA
 AATAATAAAAGGTACACATGTATAGAAAACCAGAACTGCCAAATTGACAAAAACAGAGAAAAGCGTTGT
 CCTTACTGTCTGTTTTCAAAAATGTCTAAGTGTGGAATGAAGCTAGAAGCTGAAGGGCCGACCGAATG
 CGTGGAGGAAGGAATAAGTTTGGCCAATGTACAAGAGAGACAGGGCCCTGAAGCAACAGAAAAAGCC
 CTCATCCGAGCCAATGGACTTAAGCTAGAAGCCATGTCTCAGGTGATCCAAGCTATGCCCTGTACCTG
 ACCATTTCTCTGCAATTCAAAACATCCACTCTGCCTCCAAAGGCCTACCTCTGAACCATGCTGCCTTG
 CCTCTACAGACTATGACAGAAGTCCCTTTGTAACATCCCCATTAGCATGACAATGCCCCCTCACGGC
 AGCCTGCAAGGTTACAAACATATGGCCACTTCTAGCCGGGCCATCAAGTCTGAGTACCCAGACCCC
 TATACCAGCTCACCCGAGTCCATAATGGGCTATTCATATATGGATAGTTACCAGACGAGCTCTCCAGCA
 AGCATCCACATCTGATACTGGAACTTTTGAAGTGTGAGCCAGATGAGCCTCAAGTCCAGGCTAAAAATC
 ATGGCCTATTTGCAGCAAGAGCAGGCTAACCGAAGCAAGCACGAAAAGCTGAGCACCTTTGGGCTTATG
 TGCAAAATGGCAGATCAAACCTCTTCTCCATTGTCGAGTGGGCCAGGAGTAGTATCTTCTCAGAGAA
 CTTAAGGTTGATGACCAATGAAGCTGCTCAGAAGTCTGGAAGTGGAGTCTTAATCCTCGACCACATT
 TACCGCAAGTGGTACATGGAAAGGAAGGATCCATCTTCTGGTTACTGGGCAACAAGTGGACTATTCC
 ATAAATAGCATCACAAGCCGGAGCCACCCTCAACAACCTCATGAGTCATGCACAGGAGTTAGTGGCAAAA
 CTTCTGTTCTCCAGTTTGTCAACGAGAGTTCGTATGTCTGAAATTTCTGGTGTCTTTAGTTTAGAT
 GTCAAAAACCTTGAAAACCTCCAGCTGGTGAAGGTGTCCAGGAACAAGTCAATGCCGCCCTGTGGAC
 TACACAATGTGTAACACCCGACGAGACAGAGAAATTTGGACAGCTACTTCTCGACTACCCGAAATC
 CGGGCCATCAGTATGCAGGCTGAAGAATACCTCTACTACAAGCACCTGAACGGGGATGTGCCCTATAAT
 AACCTTCTCATTGAAATGTTGCATGCCAAAAGAGCA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Protein Sequence:

>Peptide sequence encoded by RC217590
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSSNSDGLQESLKHGLTPIGAGLPDRHGSPIPARGRLVMLPKVETEALGLARSHGEQQMPENMQVS
QFKMVNYSYDELEELCPVCGDKVSGYHYGLLTCESCKGFFKRTVQNNKRYTCIENQNCQIDKTQRKRC
PYCRFQKCLSVGMKLEAVRADMRGGRNKFPGMYKRDRALKQQKALIRANGLKLEAMSQVIQAMPSDL
TISSAIQNIHSASKGLPLNHAALPPTDYDRSPFVTSPISMTMPPHGLQGYQTYGHFSPRAIKSEYPDP
YTSSPESIMGYSYMSYQTSSPASIPHLILELLKCEPDEPQVQAKIMAYLQQEQANRSKHEKLSFGLM
CKMADQTLFSIVEWARSSIFFRELKVDDQMKLLQNCWSELLILDHIYRQVVHKGESIFLVTGQQVDYS
IIASQAGATLNNLMSHAQELVAKLRSLQFDQREFVCLKFLVFLSLDVKNLENFQLVEGVQEVNAALLD
YTMCNYPQOTEKFGQLLLRLEIRAI
```

SMQAEYLYYKHLNGDVPYNNLLIEMLHAKRA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_205860

ORF Size: 1623 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

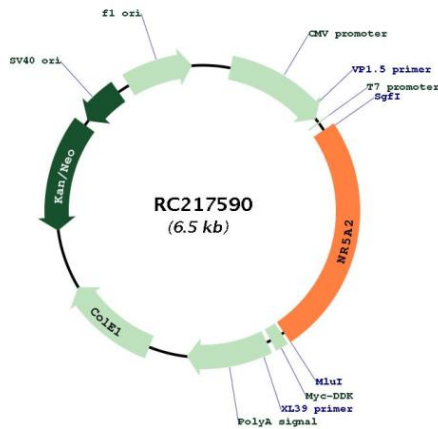
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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 Size: 5054 bp

RefSeq ORF: 1626 bp
Locus ID: 2494
UniProt ID: [O00482](#)
Cytogenetics: 1q32.1
Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways: Maturity onset diabetes of the young
MW: 61.3 kDa
Gene Summary: The protein encoded by this gene is a DNA-binding zinc finger transcription factor and is a member of the fushi tarazu factor-1 subfamily of orphan nuclear receptors. The encoded protein is involved in the expression of genes for hepatitis B virus and cholesterol biosynthesis, and may be an important regulator of embryonic development. [provided by RefSeq, Jun 2016]

Product images:



Circular map for RC217590