

Product datasheet for **RG232799**

NR5A2 (NM_001276464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR5A2 (NM_001276464) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR5A2
Synonyms:	B1F; B1F2; CPF; FTF; FTZ-F1; FTZ-F1beta; hB1F-2; LRH-1; LRH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232799 representing NM_001276464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGAATTACTCTATGATGAAGATCTGGAAGAGCTTTGTCCCGTGTGTGGAGATAAAGTGTCTGGGT
 ACCATTATGGGCTCCTCACCTGTGAAAGCTGCAAGGGATTTTTAAGCGAACAGTCCAAAATAATAAAAG
 GTACACATGTATAGAAAACCAGAACTGCCAAATTGACAAAACACAGAGAAAGCGTTGTCCTTACTGTCGT
 TTTCAAAAATGTCTAAGTGTGGAATGAAGCTAGAAGCTGTAAGGGCCGACCGAATGCGTGGAGGAAGGA
 ATAAGTTTGGGCAATGTACAAGAGAGACAGGGCCCTGAAGCAACAGAAAAAGCCCTCATCCGAGCCAA
 TGGACTTAAGCTAGAAGCCATGTCTCAGGTGATCCAAGCTATGCCCTCTGACCTGACCATTTCTCTGCA
 ATTCAAAACATCCACTCTGCCTCAAAGGCCTACCTCTGAACCATGCTGCCTTGCCTCTACAGACTATG
 ACAGAAGTCCCTTTGTAACATCCCCATTAGCATGACAATGCCCCCTCACGGCAGCCTGCAAGGTTACCA
 AACATATGGCCACTTTCTAGCCGGCCATCAAGTCTGAGTACCCAGACCCTATACCAGCTCACCCGAG
 TCATAATGGGCTATTCATATATGGATAGTTACCAGACGAGCTCTCCAGCAAGCATCCACATCTGATAC
 TGGAACTTTTGAAGTGTGAGCCAGATGAGCCTCAAGTCCAGGCTAAAATCATGGCCTATTTGCGAGCAAGA
 GCAGGCTAACCGAAGCAAGCACGAAAAGCTGAGCACCTTTGGGCTTATGTGCAAAATGGCAGATCAA
 CTCTTCTCCATTGTGAGTGGGCCAGGAGTAGTATCTTCTCAGAGAAGTAAAGTTGATGACCAATGA
 AGCTGCTTCAGAACTGCTGGAGTGAAGTCTTAATCCTCGACCACATTTACCGACAAGTGGTACATGGAAA
 GGAAGGATCCATCTTCTGGTTACTGGGCAACAAGTGGACTATTCATAATAGCATCACAAAGCCGGAGCC
 ACCCTCAACAACCTCATGAGTCATGCACAGGAGTTAGTGGCAAACTTCGTTCTCTCCAGTTTGATCAAC
 GAGATTCGTATGCTGAAATTTGGTGCTTTAGTTTAGATGTCAAAAACCTTGAAAACCTCCAGCT
 GGTAGAAGGTGTCCAGGAACAAGTCAATGCCGCCCTGCTGGACTACACAATGTGTAACACTACCCGAGCAG
 ACAGAGAAATTTGGACAGCTACTTCTCGACTACCCGAAATCCGGGCCATCAGTATGCAGGCTGAAGAAT
 ACCTCTACTACAAGCACCTGAACGGGGATGTGCCCTATAATAACCTTCTCATTGAAATGTTGCATGCCAA
 AAGAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232799 representing NM_001276464
 Red=Cloning site Green=Tags(s)

MVNYSYDEDLEELCPVCGDKVSGYHYGLLTCECKGFFKRTVQNNKRYTCIENQNCQIDKTQRKRCPCYCR
 FQKCLSVGMKLEAVRADMRGRNKFPMYKRDRALKQQKALIRANGLKLEAMSQVIQAMPSDLTISSA
 IQNIHSASKGLPLNHAALPPTDYDRSPFVTSPISMTMPHGLSLQGYQTYGHFSPRAIKSEYDPYTSPE
 SIMGYSYMSYQTSSPASIPHLILELLKCEPDEPQVQAKIMAYLQQEQANRSKHEKLSTFGLMCKMADQT
 LFSIVEWARSSIFFRELKVDQMKLLQNCWSELLILDHIIYRQVVHGKEGSIFLVTGQQVDYSIIASQAGA
 TLNLMASHAQELVAKLRSLQFDQREFVCLKFLVLFSLDVKNLENFQLVEGVQEQVNAALLDYTMCNYPQQ
 TEKFGQLLLRPEIRAISMQAEEYLYYKHLNGDVPYNNLLIEMLHAKRA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001276464.1</u> , <u>NP_001263393.1</u>
RefSeq Size:	4787 bp
RefSeq ORF:	1410 bp
Locus ID:	2494
UniProt ID:	<u>O00482</u>
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young
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]