

Product datasheet for **SC117736**

NR5A2 (NM_003822) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR5A2 (NM_003822) Human Untagged Clone
Tag:	Tag Free
Symbol:	NR5A2
Synonyms:	B1F; B1F2; CPF; FTF; FTZ-F1; FTZ-F1beta; hB1F-2; LRH-1; LRH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003822 edited
 ATGTCTTCTAATTCAGATACTGGGGATTACAAGAGTCTTTAAAGCACGGACTTACACCT
 ATTTGTCTCAATTTAAAATGGTGAATTACTCCTATGATGAAGATCTGGAAGAGCTTTGT
 CCCGTGTGTGGAGATAAAGTGTCTGGGTACCATTATGGGCTCCTCACCTGTGAAAGCTGC
 AAGGGATTTTTAAGCGAACAGTCCAAAATAATAAAAGGTACACATGTATAGAAAACAG
 AACTGCCAAATTGACAAAACACAGAGAAAGCGTTGTCCTTACTGTGTTTTCAAAAATGT
 CTAAGTGTGGAAATGAAGCTAGAAGCTGTAAGGGCCGACCGAATGCGTGGAGGAAGGAAT
 AAGTTTGGGCCAATGTACAAGAGAGACAGGGCCCTGAAGCAACAGAAAAAGCCCTCATC
 CGAGCCAATGGACTTAAGCTAGAAGCCATGTCTCAGGTGATCCAAGCTATGCCCTCTGAC
 CTGACCATTTCTCTGCAATTCAAAACATCCACTCTGCCTCCAAAGGCCTACCTCTGAAC
 CATGCTGCCTTGCTCCTACAGACTATGACAGAAGTCCCTTTGTAACATCCCCCATTAGC
 ATGACAAATGCCCCCTCACGGCAGCTGCAAGGTTACCAAACACATGGCCACTTTCCTAGC
 CGGGCCATCAAGTCTGAGTACCCAGACCCTATACCAGCTCACCCGAGTCCATAATGGGC
 TATTCATATATGGATAGTTACCAGACGAGCTCTCCAGCAAGCATCCCACATCTGATACTG
 GAACTTTTGAAGTGTGAGCCAGATGAGCCCTCAAGTCCAGGCTAAAATCATGGCCTATTTG
 CAGCAAGAGCAGGCTAACCGAAGCAAGCACGAAAAGCTGAGCACCTTTGGGCTTATGTGC
 AAAATGGCAGATCAAACCTCTTCTCCATTGTGCGAGTGGGCCAGGAGTAGTATCTTCTTC
 AGAGAACTTAAGTTGATGACCAAATGAAGCTGCTTCAGAACTGCTGGAGTGAGCTCTTA
 ATCTCGACCACATTTACCGACAAGTGGTACATGGAAGGAAGGATCCATCTTCTGTTG
 ACTGGGCAACAAGTGGACTATTCCATAATAGCATCACAAAGCCGGAGCCACCCTCAACAAC
 CTCATGAGTCATGCACAGGAGTTAGTGGCAAACTTCGTTCTCTCCAGTTTGATCAACGA
 GAGTTCGTATGTCTGAAATTTCTTGGTGCTTTTAGTTAGATGTCAAAAACCTTGAAAAC
 TTCCAGCTGGTAGAAGGTGTCCAGGAACAAGTCAATGCCGCCCTGCTGGACTACACAATG
 TGTAACACCCGCAGCAGACAGAGAAATTTGGACAGCTACTTCTCGACTACCCGAAATC
 CGGGCCATCAGTATGCAGGCTGAAGAATACCTCTACTACAAGCACCTGAACGGGGATGTG
 CCCTATAATAACCTTCTCATTGAAATGTTGCATGCCAAAAGAGCATAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003822 unedited GGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGCGGNAAAACCTTGCTTGTAACTTTTATGAATTCCTGGATTTTTTTTTTTCCTTTGCTTTTCTTAACTTTCACTAAGGGTTAC TGAGTCTGATGTGCTCTCCCAAGGCCACGAAATTTGACAAGCTGCACCTTTCTTTTGC TCAATGATTTCTGCTTTAAGCCAAAGAAGTGCCTATAATTTCACTAAGAATGTCTCTAA TTCAGATACTGGGGATTTACAAGAGTCTTTAAAGCACGGACTTACACCTATTGTGTCTCA ATTTAAAATGGTGAATTACTCTATGATGAAGATCTGGAAGAGCTTTGTCCCGTGTGTGG AGATAAAGTGTCTGGGTACCATTATGGGCTCCTCACCTGTGAAAGCTGCAAGGGATTTTT TAAGCGAACAGTCCAAAATAATAAAAAGGTACACATGTATAGAAAACAGAACTGCCAAAT TGACAAAACACAGAGAAAGCGTTGCTTACTGTCGTTTTCAAAAATGTCTAAGTGTGG AATGAAGCTAGAAGCTGTAAAGGGCCGACCGAATGCGTGGAGGAAGGAAATAAGTTGGGC CAATGTACAAGAGAGACAGGGCCCTGAAGCAACAGAAAAAGCCCTCATCCGAGCCAATG GACTTAAGCTAGAAGCCATGTCTCAGGTGATCCAAGCTATGNCCTCTGACCTGACATTTCTCTGCATTTCAAACATCCACTCTGCCTCCAAGGCCTACTTCTGAACATGCTGCCTTGCC CTCTACAGACTATGACAGAAGTCCCTTTGGAACATCCCCCATTAGCATGACAATGCCCCC TTCACGGAGCCTTGGAGGTACCAAACCCATGGCCCTTTCTAACCCGGCCATCAAGGT TGAGTCCCAAACCCCTTACAACCTACCCGGATCCATAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003822 unedited CCCATTTCGTTGNGTTTACTTGAATTTCCGGGAAGCTACAAGTCACATAATTTACAAT AGTAATTAATAAACTACAGTAGGAATGATGAAGATTTACAGACATTTAATCAAGTGAAT GATTTTAATTCATTAAGACTCTTCTATGTCCTGAACTAAGTTCCACTAATTTGAAGACA TGCTACAGTAAACACATATATTTGGTTTCTTCAGTCTTGGTTATATCTTATACAAAGGTG AAACCAAGAAACAATAAATTAGCATCATAATTGTCTACAGTTGAAAGTATGATATACAAT ATAAATACACTACTCAAAGCCAGAAATATTTATGAAAAAATTAAGGGACTAGGAGATAC TTTTATTTTTTACAGTTTCTACAAAGTGATTGTGCCGCCGATAATCTCAAAAAATTAAC GTCTAAATGAGATTCCCCTTTTTGATTTAGTGTCTCACGACATAGAATAATTAAGTACT GTTAAAAATAATTACCAATCAGAAAAATAACATTAAGGAAATCCCCTTTTGTCTATTTT GTTATATCACAGATCCCCTGCCCTCAGGACCTAAAGAATGTAAACACTATATCTTATT TGACTTTAAAGTATTAATACTTTATTTTAAACAAATGTTGATCCACATCTGCACAGCTAC CTTTAAAATGTGAAATAAGGCAAGACTTTCATACCTGTGGCATCGCATGTTAATAATA CTGATAATAGTCATTTGAAGAATTGCGAGTCTTTGTCCTCCCATATTGTTCTACAGCAGA CTTTGGTCTATGACTTAAAGGCCAGNATCACTCTCTTCCCTTTCCCTTTGGGGAAGATT TGAATTAATTAATCTTTCCAGCACCATGGTAAAATCACCATTTCCACCCCACTCTTG G</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003822
Insert Size:	4100 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<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_003822.3, NP_003813.1</u>
RefSeq Size:	4916 bp
RefSeq ORF:	1488 bp
Locus ID:	2494
UniProt ID:	<u>O00482</u>
Cytogenetics:	1q32.1
Domains:	HOLI, zf-C4
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>