

Product datasheet for **SC308248**

NR5A2 (NM_205860) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | NR5A2 (NM_205860) 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) |



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Fully Sequenced ORF:

>OriGene ORF sequence for NM_205860 edited
 ATGTCTTCTAATTCAGATACTGGGGATTACAAGAGTCTTTAAAGCACGGACTTACACCT
 ATTGGTGTGGGCTTCCGGACCGACACGGATCCCCATCCCCGCCGGTTCGCCTTGTC
 ATGCTGCCAAAGTGGAGACGGAAGCCCTGGGACTGGCTCGATCGCATGGGGAACAGGGC
 CAGATGCCGAAAACATGCAAGTGTCTCAATTTAAAATGGTGAATTACTCCTATGATGAA
 GATCTGGAAGAGCTTTGTCCCGTGTGTGGAGATAAAGTGTCTGGGTACCATTATGGGCTT
 CTCACCTGTGAAAGCTGCAAGGGATTTTTTAAGCGAACAGTCCAAAATAATAAAAGGTAC
 ACATGTATAGAAAACCGAACTGCCAAATTGACAAAACACAGAGAAAGCGTTGCTTTAC
 TGTCTTTTTCAAAAATGTCTAAGTGTGGAATGAAGCTAGAAGCTGTAAGGGCCGACCGA
 ATGCGTGGAGGAAGGAATAAGTTTGGGCAATGTACAAGAGAGACAGGGCCCTGAAGCAA
 CAGAAAAAGCCCTCATCCGAGCCAATGGACTTAAGCTAGAAGCCATGTCTCAGGTGATC
 CAAGCTATGCCCTCTGACCTGACCATTTCTCTGCAATTCAAAACATCCACTCTGCCTCC
 AAAGGCCACCTCTGAACCATGTGCCTTGCTCCTACAGACTATGACAGAAGTCCCTTT
 GTAACATCCCCATTAGCATGACAATGCCCCCTCACGGCAGCCTGCAAGGTTACCAAACA
 TATGGCCACTTTCTAGCCGGGCATCAAGTCTGAGTACCCAGACCCCTATACCAGCTCA
 CCCGAGTCCATAATGGGCTATTCATATATGGATAGTTACCAGACGAGCTCTCCAGCAAGC
 ATCCCACATCTGATACTGGAACTTTTGAAGTGTGAGCCAGATGAGCCTCAAGTCCAGGCT
 AAAATCATGGCCTATTTGCAGCAAGAGCAGGCTAACCGAAGCAAGCACGAAAAGCTGAGC
 ACCTTTGGGCTTATGTGCAAAAATGGCAGATCAAACCTCTTCTCCATTGTGCGAGTGGCC
 AGGAGTAGTATCTTCTCAGAGAACTTAAGGTTGATGACCAATGAAGCTGCTTCAGAAC
 TGCTGGAGTGAGCTTTAATCCTCGACCACATTTACCGACAAGTGGTACATGGAAAGGAA
 GGATCCATCTTCTGGTTACTGGGCAACAAGTGGACTATTCATAATAGCATCACAAGCC
 GGAGCCACCCTCAACAACCTCATGAGTCATGCACAGGAGTTAGTGGCAAAAACCTCGTTCT
 TCCAGTTTTGATCAACGAGAGTTTCGTATGTCTGAAATTTGGTGTCTTTAGTTTAGAT
 GTCAAAACCTTGAACCTTCCAGCTGGTGAAGGTGTCCAGGAACAAGTCAATGCCGCC
 CTGCTGGACTACACAATGTGTAACACCCGACGACAGAGAAAATTTGGACAGTACTT
 CTTGACTACCCGAAATCCGGGCCATCAGTATGCAGGCTGAAGAAACCTCTACTACAAG
 CACCTGAATGGGGATGTGCCCTAATAACCTTCTCATTGAAATGTTGCATGCCAAAAGA
 GCATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_205860 unedited
 AATAAGGAGCTTTTTTNNCTNCTGTTNCTTCTNCCCCCTCCCCATCCCCAATCTCT
 TTTTGTGTTTGAACAAAACCTAGGGTTGTAACCTATGCTCTTTTGGCATGCAACATTTT
 AATGAGAAGGTTATTATAGGGCACATCCCCATTAGGTGCTTGTAGTAGAGGTATTCTTC
 AGCCTGCATACTGATGGCCCGGATTTCCGGTAGTCGAAGAAGTAGCTGTCCAAATTTCTC
 TGCTGTGCTGCGGGTAGTTACACATTGTGTAGTCCAGCAGGGCGGCATTGACTTGTCTCTG
 GACACCTTCTACCAGCTGGAAGTTTTCAAGGTTTTTGACATCTAAACTAAAGACACCAA
 GAATTTAGACATACGAACTCTCGTTGATCAAACCTGGAGAGAACGAAGTTTTGCCACTAA
 CTCCTGTGCATGACTCATGAGGTTGTTGAGGGTGGCTCCGGCTTGTGATGCTATTATGGA
 ATAGTCCACTTGTGCCAGTAACCAGGAAGATGGATCCTTCTTTCCATGTACCACTTG
 TCGGTAATGTGGTCGAGGATTAAGAGCTCACTCCAGCAGTTCTGAAGCAGCTTCATTTG
 GTCATCAACCTTAAGTTCTCTGAAGAAGATACTACTCTGGCCCACTCGACAATGGAGAA
 GAGAGTTTGTGCTGCCATTTTGACATAAGCCCAAAGGTGCTCAGCTTTTCGTGCTTGCT
 TCGGTTAGCCTGCTTGTGTCANATAGGCCATGATTTTAGCCTGGACTTGNAGCTCATC
 TGGCTCACACTTCAAAGTTCCAGTATCAGATGTGGGATGCTTGTGCTGGAGAGCTCGTCTG
 GTTACTATCCATATATGAATAA

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| 3' Read Nucleotide Sequence: | >Forward primer walk for NM_205860 unedited AATAAGGAGCTTTTTTNNCTTCTTCTTCCCCCTCCCAATCCCAATCTCT TTTTGTTTTGAAACAACTCCTAGGGTTGTAAGTATGCTCTTTTGGCATGCAACATTT AATGAGAAGGTTATTATAGGGCACATCCCAATCAGGTGCTTGTAGTAGAGGTATTCTTC AGCCTGCATACTGATGGCCCGGATTTCCGGTAGTCGAAGAAGTAGCTGTCCAAATTTCTC TGCTGCTGCGGGTAGTTACACATTGTGTAGTCCAGCAGGGCGGCATTGACTTGTTCCTG GACACCTCTACCAGCTGGAAGTTTTCAAGTTTTGACATCTAACTAAAGAGCACCAA GAATTTAGACATACGAAGTCTCGTTGATCAAAGTGGAGAGAACGAAGTTTTGCCACTAA CTCCTGTGCATGACTCATGAGGTTGTTGAGGGTGGCTCCGGCTTGTGATGCTATTATGGA ATAGTCCACTTGTGCCAGTAACCAGGAAGATGGATCCTTCTTCCATGTACCACTTG TCGGTAAATGTGGTCGAGGATTAAGAGCTCACTCCAGCAGTTCTGAAGCAGCTTCATTTG GTCATCAACCTTAAGTTCTCTGAAGAAGATACTACTCCTGGCCACTCGACAATGGAGAA GAGAGTTTGATCTGCCATTTGACATAAGCCAAAGGTGCTCAGCTTTTCGTGCTTGCT TCGGTTAGCTGCTTGTGTCANATAGCCATGATTTAGCCTGGACTGNAGCTCATC TGGCTCACACTTCAAAGTTCCAGTATCAGATGTGGGATGCTTGTGGAGAGCTCGTCTG GGTACTATCCATATATGAATAA |
| Restriction Sites: | Please inquire |
| ACCN: | NM_205860 |
| Insert Size: | 4000 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: | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference. |
| 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: | NM_205860.1 , NP_995582.1 |

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| RefSeq Size: | 5054 bp |
| RefSeq ORF: | 1626 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: | <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 (1) represents the longest transcript and encodes the longest isoform (1). 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> |