

Product datasheet for **SC303555**

Steroidogenic Factor 1 (NR5A1) (NM_004959) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Steroidogenic Factor 1 (NR5A1) (NM_004959) Human Untagged Clone
Tag: Tag Free
Symbol: Steroidogenic Factor 1
Synonyms: AD4BP; ELP; FTZ1; FTZF1; hSF-1; POF7; SF-1; SF1; SPGF8; SRXX4; SRXY3
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004959 edited
GGAGGACGGACGGACAGGGCCAGCCTGCTGTCGGGCTGCCGCCCGCCGTGGTGTGAGGGG
GTTTCTGCGCACCCACAGTCGCCACCGTCCCACCTGGGCTGCCGGAGCCTCCCCCTGGAC
CCCTGGTGCCCACTGCCACCCTCATCCGGTGTGAGAGCGCTGCTCCGCTTCGCGGACGC
CGCGGGCATGGACTATTCTGACGACGAGGACCTGGACGAGCTGTGCCCGTGTGCGGGGA
CAAGGTGTCCGGTACCACTACGGACTGCTCACGTGTGAGAGCTGCAAGGGCTTCTTCAA
GCGCACGGTGCAGAAACAAGCACTACACGTGCACCGAGAGCCAGAGCTGCAAGATCGA
CAAGACGCAGCGCAAGCGCTGTCCCTTCTGCCGCTTCCAGAAATGCCTGACGGTGGGGAT
GCGCCTGGAAGCCGTGCGCGCTGACCGTATGAGGGGTGGCCGGAACAAGTTTGGGCCGAT
GTACAAGCGGGACCGGGCCCTGAAACAGCAGAAGAAGGCACAGATTCCGGCCAATGGCTT
CAAGCTGGAGACAGGGCCCCGATGGGGGTGCCCGCCGCCCTCCCGCACCGGACTA
CGTGCTGCCTCCAGCCTGCATGGGCTGAGCCCAAGGGCTGGCCGCCGGTCCACCTGC
TGGGCCACTGGGCGACTTTGGGGCCCCAGCACTGCCATGGCCGTGCCCGGTGCCACGG
GCCACTGGCTGGCTACCTCTACCCTGCCTTCTGGCCGTGCCATCAAGTCTGAGTACCC
GGAGCCTTATGCCAGCCCCACAGCCTGGGCTGCCGTACGGCTACCCAGAGCCCTTCTC
TGGAGGGCCCAACGTGCCTGAGCTCATCCTGCAGCTGCTGCAGCTGGAGCCGGATGAGGA
CCAGGTGCGGGCCCGCATCTTGGGCTGCCTGCAGGAGCCACAAAAGCCGCCCGACCA
GCCGGCGCCCTTCGGCCTCCTGTGCAGAATGGCCGACCAGACCTTCATCTCCATCGTGA
CTGGGCACGCAGGTGCATGGTCTTCAAGGAGCTGGAGGTGGCCGACCAGATGACGCTGCT
GCAGAACTGCTGGAGCGAGCTGCTGGTGTTCGACCACATCTACCGCCAGTCCAGCACGG
CAAGGAGGGCAGCATCCTGCTGGTACCAGGGCAGGAGGTGGAGCTGACCACAGTGCCAC
CCAGGCGGGCTCGCTGCTGCACAGCCTGGTGTTCGGGGCAGGAGCTGGTGTGCAGCT
GCTTGGCTGCAGCTGGACCGGCAGGAGTTGTCTGCCTCAAGTTCATCATCCTTTCAG
CCTGGATTTGAAGTTCCTGAATAACCACATCCTGGTGAAGAGCGCTCAGGAGAAGGCCAA
CGCCGCCCTGCTTGACTACACCCTGTGCCACTACCCGACTGCGGGGACAAATCCAGCA
GCTGCTGCTGTGCTGGTGGAGGTGCGGGCCCTGAGCATGCAGGCCAAGGAGTACCTGTA
CCACAAGCACCTGGGCAACGAGATGCCCGCAACAACCTGCTCATCGAAATGCTGCAAGC



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CAAGCAGACTTGAGCCTGGGCCGGGGCCGGGGCCGGGACTGGGGCGGGACTGGGGGCGG
 GGCCTGGGCGGGGCCAGCCACACCGCTGGCTCTGCATGGTTCAATTTCTGATGCCAC
 CGAGGAGCCCCAGCCCCGTCCCAGAGGCCGCTGCCCTGAGTTCTGACTGTGTGTTG
 GGAAGTGGGTGAGGCTGGGCAGGGCCTGGCGGAGGTGGAGTGGCCACTGGCACTTGCTG
 CTGCTTGGAGTGCCCAAGGAGGTGGCTGTTAACACCCGCCCGCCCTCCCTGCTCC
 CAGCTCTCTCCTGGAGTCTGAAGCCTGCAGGTCCGGGGAGGAGGTTCCGGATTCCCTG
 GTGGCCCTCGACGTCCTTGGATCAGAGTCCATCCCTTCTCCTCCTGAAACAGACA
 GGGAGAAGTTGAGCAGGTATCAACTAGGGGAGGAGAGAGGGTCTCCAGTGTCCCCCAT
 AGAGACCAGGAGGAGAGCCTCTGTTTTGTAACCTAAGGATAACCGAGTTTGCTAAATTG
 AGAGGGGCTATTGGGCCCTAGAGGACACTAGGAGACTGGTTAGGACAAAAAGACCTTCTC
 CCTAGCCCTTCTACCCACCTGACCTCTGCAAGAGGGGGCATTGATACATCATCGGGAAA
 AAACCTTGTCTCCAGGCATCACTGATTCCCTCTCCACCCAAGGAGAACGTTTGGTACAAT
 CGACATCTAGCCCCACCAGAGGTGGCCCTCCAGGCTGGTATTATCTGCAAGTTGT
 AGTCAAGAGGTTTTTCTCCCGCTTTTTGTTTTAAGCTTCTAGACTCCTTGAATGT
 GTGTGTGATGGAGGAAGGGGACAGATTTGAGGACTGAAGCTGGGGCTTGGGGATTGCCA
 CTAAGTACAGCTGATGGTTTCTCCCGGACACTCGCTACTAAGTACCCTTGGGGTGGTG
 CTGGGTCACTTCTGAGCCCCAGCCCAATCCAGAGAAGCGCTGTGGCCGCCCTCCA
 CCCACTAGGTGAACAGCAGGATGCCCTGTTGGGGCTTCAGGTCTCTGTGGTGGGAATG
 CAAGTGAACCTGGGAGGGGGCACGGCCTGTAGATCAGGGATAGCGCTGTGATCCCTC
 TCTGTGGCTCAAACCGTTGGGTCCCTTCTGCAAAACCATGAAGCTGGCCCTCAGCTCC
 CTGACCCCTGTCTAGGTATGAAGGACACTCTGCAGGTGAAGCACCAGGGAGAGGCC
 TCGGCTGTCTCCTGTCCCGCGGGGTGCCTGCTGTCCGTCCCGCTTTCATGTTACTGTT
 GCAGCTTGTGCTGAGCCTGCCAGTTGGAGGAGACTGGGCACCCCTGCCTCCTGCCTCC
 GCCTCCCGCACCTGTCTCAGTACCTCCCGCCCGCCCTGAAACATGTGCCCTGC
 CAAGGCCGGAGCCACAGCCCTGAAACGAGAAGTGCCTTAAGGATCACCCAGCCCC
 ACAGCCCTGGAATAAATTCGAATTAGTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004959 unedited
 NNGGTCCAGTTCAGATATTTGTATACGACTCATATAGGGCGCCGGAATCCCGGATAG
 GAGGACGGACGGACAGGGCCAGCCTGCTGTCCGGCTGCCCGCCGCTGGTGTGAGGGGG
 TTTCTGCGCACCCACAGTCGCCACCGTCCACCTGGGCTGCCGGAGCCTCCCTGGACC
 CCTGGTGGCCACTGCCACCCTCATCCGGTGTGAGAGCGCTGCTCCGCTTCGCGGACGCC
 GCGGGCATGGACTATTCGTACGACGAGGACCTGGACGAGCTGTGCCCGTGTGCGGGGAC
 AAGGTGTCCGGCTACCACTACGGACTGCTCACGTGTGAGAGCTGCAAGGGCTTCTCAAG
 CGCACGGTGCAGAACAACAAGCACTACACGTGCACCGAGAGCCAGAGCTGCAAGATCGAC
 AAGACGCAGCGCAAGCGCTGTCCCTTCTGCCGCTTCCAGAAATGCCTGACGGTGGGGATG
 CGCCTGGAAGCCGTGCGCGCTGACCGTATGAGGGGTGGCCGGAACAAGTTTGGCCGATG
 TACAAGCGGGACCGGCCCTGAAACAGCAGAAGAAGGCACAGATTCGGGCCAATGGCTTC
 AAGCTGGAGACAGGGCCCCGATGGGGGTGCCCGCCGCCCCCTCCCGCACCGGACTAC
 GTGCTGCCTCCCAGCCTGCATGGCCTGAGCCCAAGGGCCTGGCCGCCGCTCCACCTGCT
 GGGCCACTGGGCGACTTTGGGGCCCAGCACTGCCCATGGCCGTGCCCGGTGCCACGGG
 CCACTGGCTGGCTACCTTACCCCTGCCTTCTGGCCGTGCCATCAAGTCTGAGTACCCG
 GAGCCTTATGCCAGCCCCCACAGCCTGGGCTGCCGTACAGCTACCCAGACC

Restriction Sites:

Please inquire

ACCN:

NM_004959

Insert Size:

3100 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).

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:	<u>NM_004959.3</u> , <u>NP_004950.2</u>
RefSeq Size:	3119 bp
RefSeq ORF:	1386 bp
Locus ID:	2516
UniProt ID:	<u>Q13285</u>
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The protein encoded by this gene is a transcriptional activator involved in sex determination. The encoded protein binds DNA as a monomer. Defects in this gene are a cause of XY sex reversal with or without adrenal failure as well as adrenocortical insufficiency without ovarian defect. [provided by RefSeq, Jul 2008]