

Product datasheet for **RG207577**

Steroidogenic Factor 1 (NR5A1) (NM_004959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Steroidogenic Factor 1 (NR5A1) (NM_004959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Steroidogenic Factor 1
Synonyms:	AD4BP; ELP; FTZ1; FTZF1; hSF-1; POF7; SF-1; SF1; SPGF8; SRXX4; SRXY3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207577 representing NM_004959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTATTCGTACGACGAGGACCTGGACGAGCTGTGCCCGTGTGCGGGGACAAGGTGTCCGGCTACC
 ACTACGGACTGCTCACGTGTGAGAGCTGCAAGGGCTTCTCAAGCGCACGGTGCAGAACAACAAGCACTA
 CACGTGCACCGAGAGCCAGAGCTGCAAGATCGACAAGACGACGCAAGCGCTGTCCCTTCTGCCGCTC
 CAGAAATGCCTGACGGTGGGGATGCGCCTGGAAGCCGTGCGCGCTGACCGTATGAGGGGTGGCCGGAACA
 AGTTTGGGCCGATGTACAAGCGGGACCGGGCCCTGAAACAGCAGAAGAAGGCACAGATTCGGGCCAATGG
 CTTCAAGCTGGAGACAGGGCCCCGATGGGGTGGCCCCGCCGCCCTCCCGCACCGGACTACGTGCTG
 CCTCCAGCTGCATGGCCTGAGCCCAAGGGCTGGCCGCCGGTCCACCTGCTGGGCCACTGGGCGACT
 TTGGGGCCCCAGCACTGCCATGGCCGTGCCCGTGGCCACGGGCCACTGGTGGCTACCTTACCTGCTG
 CTTTCTGGCCGTGCCATCAAGTCTGAGTACCCGGAGCCTTATGCCAGCCCCCACAGCCTGGGCTGCCG
 TACGGCTACCCAGAGCCCTTCTCTGGAGGGCCAACTGCCTGAGCTCATCCTGCAGCTGCTGCAGCTGG
 AGCCGGATGAGGACCAGGTGCGGGCCCGCATCTTGGGCTGCCTGCAGGAGCCACCAAAAGCCGCCCGCA
 CCAGCCGGCGGCCTTCGGCTCCTGTGCAGAATGGCCGACCAGACCTTCACTCCATCGTGGACTGGGCA
 CGCAGGTGCATGGTCTTCAAGGAGCTGGAGGTGGCCGACCAGATGACGCTGCTGCAGAAGTGTGGAGCG
 AGCTGCTGGTGTTCGACCACATCTACCGCCAGGTCCAGCACGGCAAGGAGGGCAGCATCCTGCTGGTCA
 CGGGCAGGAGTGGAGCTGACCAGTGGCCACCCAGGCGGGCTCGTGTGCACAGCCTGGTGTTCGGG
 GCGCAGGAGCTGGTGTGCAGCTGCTTGCCTGCAGCTGGACCGCAGGAGTTTGTCTGCCTCAAGTTCA
 TCATCCTTTCAGCCTGGATTTGAAGTTCTCTGAATAACCACATCCTGGTAAAAGACGCTCAGGAGAAGGC
 CAACGCCGCCCTGCTTGACTACACCCTGTGCCACTACCCGCACTGCGGGGACAAAATTCAGCAGCTGCTG
 CTGTGCCTGGTGGAGGTGCGGGCCCTGAGCATGCAGGCCAAGGAGTACCTGTACCACAAGCACCTGGGCA
 ACGAGATGCCCGCAACAACCTGCTCATCGAAATGCTGCAAGCCAAGCAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207577 representing NM_004959
 Red=Cloning site Green=Tags(s)

MDYSYDELDLDELCPVCGDKVSGYHYGLLTCESCKGFFKRTVQNNKHYTCTESQSCKIDKTQRKRCPCRF
 QKCLTVGMRLEAVRADMRGGRNKFGPYKRDALKQKKAQIRANGFKLETGPPMGVPPPPPPAPDYVL
 PPSLHGPEPKGLAAGPPAGPLGDFGAPALPMAVPGAHGPLAGYL YPAFPGRAIKSEYPEPYASPPQGLP
 YGYPEPFSGGPNVPELILQLLQLEPDEDQVRARILGCLQEPTKSRPDQPAAFGLLCRMADQTFISIVDWA
 RRCMVFKELVADQMTLLQNCWSELLVFDHIYRQVQHGKEGSILLVTGQVEVELTTVATQAGSLLHSLVLR
 AQELVLQLLALQLDRQEFVCLKFIIILFSLDLKFLNNHILVKDAQEKANAALLDYTLCHYPHCGDKFQQLL
 LCLVEVRALSMQAKEYL YHKHLGNEMPRNLLIEMLQAKQT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_004959

ORF Size: 1383 bp

OTI Disclaimer: 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: [NM_004959.5](#)

RefSeq Size: 3119 bp

RefSeq ORF: 1386 bp

Locus ID: 2516

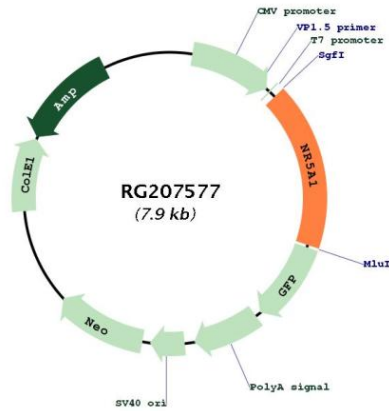
UniProt ID: [Q13285](#)

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]

Product images:



Circular map for RG207577