Recombinant Human NR5A1

Cat. No. NR5A1-31465TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Steroidogenic Factor 1 with N terminal proprietary tag; Predicted MWt 76.78 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	461 amino acids
Description	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.
Molecular Weight	76.780kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MDYSYDEDLDELCPVCGDKVSGYHYGLLTCESCKGFFKRT VQNNKHYTCTESQSC KIDKTQRKRCPFCRFQKCLTVGMRL EAVRADRMRGGRNKFGPMYKRDRALKQQK KAQIRANGFKL ETGPPMGVPPPPPPAPDYVLPPSLHGPEPKGLAAGPPAGP LGDF GAPALPMAVPGAHGPLAGYLYPAFPGRAIKSEYPEP YASPPQPGLPYGYPEPFSG GPNVPELILQLLQLEPDEDQV RARILGCLQEPTKSRPDQPAAFGLLCRMADQTFISIV DWA RRCMVFKELEVADQMTLLQNCWSELLVFDHIYRQVQHGKE GSILLVTGQEVE LTTVATQAGSLLHSLVLRAQELVLQLLA LQLDRQEFVCLKFIILFSLDLKFLNNHILVK DAQEKANAA LLDYTLCHYPHCGDKFQQLLLCLVEVRALSMQAKEYLYHK HLGNEM PRNNLLIEMLQAKQT
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR5 subfamily.Contains 1 nuclear receptor DNA-binding domain.

GENE INFORMATION

Gene Name	NR5A1 nuclear receptor subfamily 5, group A, member 1 [Homo sapiens]
Official Symbol	NR5A1
Synonyms	NR5A1; nuclear receptor subfamily 5, group A, member 1; FTZF1; steroidogenic factor 1; AD4BP; ELP; FTZ1; SF 1;
Gene ID	2516
mRNA Refseq	NM_004959
Protein Refseq	NP_004950
Uniprot ID	Q13285
Chromosome	9q33

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Location	
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem;
Function	DNA binding; chromatin binding; double-stranded DNA binding; enzyme binding; ligand-dependent nuclear receptor activity;

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