

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: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MDYSYDEDLDELCPVCGDKVSGYHYGLLTCECKGFFKRT VQNNKHYTCTESQSC
 KIDKTQRKRCPCFRFQKCLTVGMRL EAVRADRMRGGRNKFGPMYKRDRALKQQK
 KAQIRANGFKL ETGPPMGVPPPPPPAPDYVLPPSLHGPEPKGLAAGPPAGP LGDF
 GAPALPMAVPGAHGPLAGYLYPAFPGRAIKSEYPEP YASPPQPGLPYGYPEPFSG
 GPNVPELILQLLQLEPDEDQV RARILGCLQEPTKSRPDQPAAFGLLCRMADQTFISIV
 DWA RRCMVFKLELEVADQMTLLQNCWSELLVFDHIYRQVQHGKE GSILLVTGQVE
 LTTVATQAGSLLHSLVLRQELVLQLLA LQLDRQEFVCLKFIILFSLDLKFLNNHILVK
 DAQEKANAA LLDYTLCHYPHCGDKFQQLLLCLVEVRALSMQAKEYLYHK HLGNEM
 PRNLLIEMLQAKQT

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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