

Recombinant Human Steroidogenic Factor 1/SF-1 protein ab114599

画像数 1

製品の詳細

製品名	Recombinant Human Steroidogenic Factor 1/SF-1 protein
発現系	Wheat germ
アクセッション番号	Q13285
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MDYSYDEDLDELCPVCGDKVSGYHYGLLTCESCKGFFKRTVQ NNKHYTCT ESQSCKIDKTQRKRCPCFRFQKCLTVGMRLEAVRADRMGRGR NKFGPMYK RDRALKQQKKAQIRANGFKLETGPPMGVPPPPPPAPDYVLP SLHGPEPK GLAAGPPAGPLGDFGAPALPMAVPGAHGPLAGYLYPAFPGRA IKSEYPEP YASPPQPGLPYGYPEPFSGGPNVPELILQLLQLEPDEDQVRA RILGCLQE PTKSRPDQPAAFLLCRMADQTFISIVDWARRCMVFKELEVA DQMTLLQN CWSELLVFDHIYRQVQHKGESILLVTGQEVELTTVATQAGS LLHSLVLR AQELVLQLLALQLDRQEFVCLKFIILFSLDLKFLNNHILVKD AQEKANAA LLDYTLCHYPHCGDKFQQLLLCLVEVRALSMQAKEYLYHKHL GNEMPRNN LLIEMLQAKQT
予測される分子量	77 kDa including tags
領域	1 to 461

特性

Our **Abpromise guarantee** covers the use of **ab114599** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション

ELISA

SDS-PAGE

Western blot

製品の状態

Liquid

備考

This product was previously labelled as Steroidogenic Factor 1.

前処理および保存

保存方法および安定性

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

関連情報

機能

Transcriptional activator. Seems to be essential for sexual differentiation and formation of the primary steroidogenic tissues. Binds to the Ad4 site found in the promoter region of steroidogenic P450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the AMH/Muellerian inhibiting substance gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus sequences for the recognition by NR5A1. The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Binds phosphatidylcholine (By similarity). Binds phospholipids with a phosphatidylinositol (PI) headgroup, in particular PI(3,4)P2 and PI(3,4,5)P3.

関連疾患

Defects in NR5A1 are a cause of 46,XY disorder of sex development (46,XY DSD) [MIM:612965]; also known as XY sex reversal with or without adrenal failure. A congenital condition in which development of chromosomal, gonadal, or anatomic sex is atypical. 46,XY DSD is a disorder of gonadal (testicular) development, which may be complete or partial. The complete form includes streak gonads, normal mullerian structures, and normal female external genitalia. The partial form includes ambiguous external genitalia and partial development of mullerian and wolffian structures.

Defects in NR5A1 are a cause of adrenocortical insufficiency without ovarian defect (ACIWOD) [MIM:184757]. ACIWOD is characterized by severe 'slackness' muscular hypotonia. There is decreased sodium, increased potassium and elevated ACTH.

Defects in NR5A1 are the cause of premature ovarian failure type 7 (POF7) [MIM:612964]. An ovarian disorder defined as the cessation of ovarian function under the age of 40 years. It is characterized by oligomenorrhea or amenorrhea, in the presence of elevated levels of serum gonadotropins and low estradiol.

配列類似性

Belongs to the nuclear hormone receptor family. NR5 subfamily.

Contains 1 nuclear receptor DNA-binding domain.

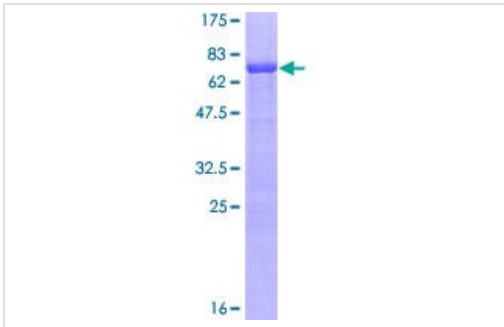
翻訳後修飾

Acetylation stimulates the transcriptional activity.

細胞内局在

Nucleus.

画像



ab114599 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Steroidogenic Factor 1/SF-1 protein (ab114599)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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