SF-1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	SF-1, Polyclonal Antibody
Full Product Name	SF-1 Polyclonal Antibody
Product Gene Name	anti-SF-1 antibody
Clonality	Polyclonal
Molecular Weight	51,636 Da
OMIM	184757
3D Structure	ModBase 3D Structure for Q13285
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-SF-1 antibody	MBS8525242 is an antibody targeting SF-1. Also known as SF-1 Polyclonal Antibody.
Other Notes	Small volumes of anti-SF-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SF-1. It may not necessarily be applicable to this product.

NCBI GI #	20070193
NCBI GeneID	2516
NCBI Accession #	NP_004950.2
UniProt Primary Accession #	Q13285
UniProt Secondary Accession #	O15196; Q5T6F5
UniProt Related Accession #	Q13285
GenBank Nucleotide #	NM_004959.4
NCBI Official Full Name	steroidogenic factor 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 5 group A member 1
NCBI Official Symbol	NR5A1
NCBI Official Synonym Symbols	ELP; SF1; FTZ1; POF7; SF-1; AD4BP; FTZF1; SPGF8; SRXX4; SRXY3; hSF-1
UniProt Protein Name	Steroidogenic factor 1
UniProt Synonym Protein Names	Adrenal 4-binding protein; Fushi tarazu factor homolog 1; Nuclear receptor subfamily 5 group A member 1; Steroid hormone receptor Ad4BP
UniProt Gene Name	NR5A1
UniProt Synonym Gene Names	AD4BP; FTZF1; SF1; SF-1; STF-1; hSF-1
NCBI Protein Information	steroidogenic factor 1

NCBI Summary for SF-1	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]
UniProt Comments for SF-1	Transcriptional activator. Essential for sexual differentiation and formation of the primary steroidogenic tissues (PubMed:27378692). 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 (PubMed:27378692). The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Binds phosphatidylcholine (). Binds phospholipids with a phosphatidylinositol (PI) headgroup, in particular PI(3,4)P2 and PI(3,4,5)P3. Activated by the phosphorylation of NR5A1 by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation.
Research Articles on SF-1	**1.** We provide new evidence of this involvement, describing a novel heterozygous non-sense NR5A1 mutation in a 46,XY-DSD with polysplenia female proband and her father, who had hypospadias and asplenia.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/sf-1/8525242