



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## CYP19A1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001588-T02

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

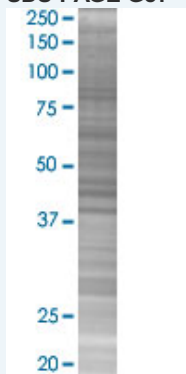
**Plasmid:** pCMV-CYP19A1 full-length

**Host:** Human

**Theoretical MW (kDa):** 57.9

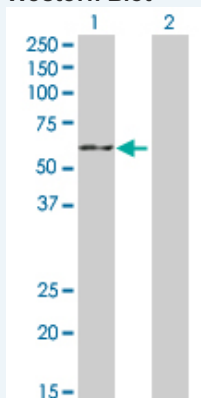
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-CYP19A1 antibody ([H00001588-D01P](#)) by Western Blots.

#### SDS-PAGE Gel



CYP19A1 transfected lysate.

#### Western Blot



Lane 1: CYP19A1 transfected lysate ( 57.90 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

**Entrez GeneID:** [1588](#)

**GeneBank Accession#:** [BC035959.1](#)

**Protein Accession#:** [AAH35959.1](#)

**Gene Name:** CYP19A1

**Gene Alias:** ARO,ARO1,CPV1,CYAR,CYP19,MGC104309,P-450AROM

**Gene Description:** cytochrome P450, family 19, subfamily A, polypeptide 1

**Omim ID:** [107910](#), [139300](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. Mutations in this gene can result in either increased or decreased aromatase activity; the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation. The gene expresses two transcript variants. [provided by RefSeq]

**Other Designations:** OTTHUMP00000162543,aromatase,cytochrome P450, family 19,cytochrome P450, subfamily XIX (aromatization of androgens),estrogen synthetase,flavoprotein-linked monooxygenase,microsomal monooxygenase

### Gene Pathway

[Androgen and estrogen metabolism](#) [Metabolic pathways](#)

### Related Disease

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[Adenocarcinoma](#), [Bronchiolo-Alveolar Adenocarcinoma](#), [Mucinous Alopecia](#)  
[Alzheimer Disease](#) [Alzheimer disease](#) [Arthritis](#), [Juvenile Rheumatoid Arthritis](#), [Rheumatoid](#)  
[Asperger Syndrome](#) [Atherosclerosis](#) [Autistic Disorder](#) [Breast cancer](#) [Breast Neoplasms](#)  
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