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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

CYP19A1 (Human) Recombinant Protein (P02)

Catalog Number: H00001588-P02

Regulation Status: For research use only (RUO)

Product Description: Human CYP19A1 full-length ORF (AAH35714, 48 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

PGPGYCMGIGPLISHGRFLWMGIGSACNYYNRVYGEF
MRVWISGEETLIISKSSSMFHIMKHNHYSSRFGSKLGL
QCIGMHEKGIIFNNNPPELWKTTRPFFMKALSGPGLVR
MVTVCAESLKTDLDRLEEVNTEGYSVDVLTLLRRVML
DTSNTLFLRIPLDGTEIFTLTS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 44.55

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Entrez GeneID: 1588

Gene Symbol: CYP19A1

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

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]