



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CYP1A1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001543-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CYP1A1 full-length ORF (AAH23019, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLFPISMSATEFLLASVIFCLVFWVIRASRPQVPKGLKN  
PPGPWGWPLIGHMLTLGKNPHLALSRMSQQYGDVLQ  
IRIGSTPVVLSGLDITRQALVRQGDDFKGRPDLYTFTL  
ISNGQSMSFSPDSGPVWAARRRLAQNLKSFASIADP  
ASSTSCYLEEHVSKEAEVLSTLQELMAGPGHFNPYRY  
VVVSVTNVICAICFGRRYDHNHQELLSLVNLNNFGEV  
VGSGNPADFIPIRLYLPNPSLNAFKDLNEKFYSFMQKM  
VKEHYKTFEKGHIRDITDSLIEHCQEKQLDENANVQLS  
DEKIINIVLDLFGAGFDVTTAISWSLMYLVMNPRVQRK  
IQEELDTVIGRSRRPRLSDRSHLPYMEAFILETFRHSSF  
VPFTIPHSTTRDTSKGFYIPKGRCVFVNQWQINHDQK  
LWVNPSEFLPERFLTPDGAIDKVLSEKVIIFGMGKRKCI  
GETIARWEVFLFLAILLQRVEFSVPLGVKVDMTPIYGLT  
MKHACCEHFQMQLRS

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 82.06

**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:** 1543

**Gene Symbol:** CYP1A1

**Gene Alias:** AHH, AHRR, CP11, CYP1, P1-450, P450-C, P450DX

**Gene Summary:** This gene, CYP1A1, 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 its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. [provided by RefSeq]