



# 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

### CYP3A7 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001551-P01

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

**Product Description:** Human CYP3A7 full-length ORF (NP\_000756.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDLIPNLAVETWLLLAVSLILLYLYGTRTHGLFKKLGIPG  
PTPLPFLGNALSFRKGYWTFDMECYKRYKRWVGIYDC  
QQPMLAITDPDIKTVLVKECYSVFTNRRPFGPVGFM  
KNAISIAEDEEWKRIRSLSPFTTSGKLEKEMVPIIAQYG  
DVLVRNLRREAETGKPVTLKHVFGAYSMDVITSTSTSGV  
SIDSLNNPQDPFVENTKLLRFNPLDPFVLSIKVFPFLT  
PILEALNITVFPRKVISFLTKSVKQIKEGRLKETQKHRVD  
FLQLMIDSQNSKDSETHKALSDELEMAQSIIFIFAGYET  
TSSVLSFIYELATHPDVQQKVQKEIDTVLPNKAPPTYD  
TVLQLEYLDMVVNETLRLFPVAMRLERVCKKDVING  
MFIPKGVVVMIPIYVLHHPKYWTEPEKFLPERFSKKN  
KDNIDPIYTPFGSGPRNCIGMRFALVNMKLALVRVLQ  
NFSFKPKETQIPLKLRFGGLLLEKPIVLKAESRDET  
VSGA

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

**Theoretical MW (kDa):** 83.9

**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:** 1551

**Gene Symbol:** CYP3A7

**Gene Alias:** CP37, P450-HFLA

**Gene Summary:** This gene, CYP3A7, 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 enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced. [provided by RefSeq]