



# 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

### CYP2R1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00120227-P01

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

**Product Description:** Human CYP2R1 full-length ORF ( NP\_078790.2, 1 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MWKLWRAEEGAAALGGALFLLLALGVRQLLKQRRP  
MGFPPGPPGLPFIGNIYSLAASSELPHVYMRKQSQVY  
GEIFSLDLGGISTVVLNGYDVVKECLVHQSEIFADRPC  
PLFMKMTKMGLLNSRYGRGWVDHRRRLAVNSFRYFG  
YGQKSFESKILEETKFFNDIAIETYKGRPFDFKQLITNAV  
SNITNLIIFGERFTYEDTDFQHMIELFSEVELAASASVF  
LYNAFPWIGILPFGKHQQLFRNAAVVYDFLSRLIEKASV  
NRKPQLPQHFDAYLDEMDQGKNDPSSTFSKENLIFS  
VGELIAGTETTTNVLRWAILFMALYPNIQGGVQKEIDLI  
MGPNGKPSWDDKCKMPYTEAVLHEVLRFCNIVPLGIF  
HATSEDAVVRGYSIPKGTTVITNLYSVHFDEKYWRDPE  
VFHPERFLDSSGYFAKKEALVPFSLGRRHCLGEHLAR  
MEMFLFFTALLQRFHLHFPHELVPDLKPRLGMTLQPQ  
PYLICAERR

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

**Theoretical MW (kDa):** 83.8

**Interspecies Antigen Sequence:** Mouse (88); Rat (90)

**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:** 120227

**Gene Symbol:** CYP2R1

**Gene Alias:** MGC4663

**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 enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. A mutation in this gene has been associated with selective 25-hydroxyvitamin D deficiency. [provided by RefSeq]