



# 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

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Datasheet

### ECH1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001891-P01

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

**Product Description:** Human ECH1 full-length ORF ( NP\_001389.2, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAAGIVASRRRLRDLRRLTGSNYPGLSISLRLTGSSA  
QEEASGVALGEAPDHSYESLRVTSQAQKHLHVQLNRP  
NKRNAMNKVFWREMECFNKISRADDCRAVVISGAG  
KMFAGIDLMDMASDILQPKGDDVARISWYLRDIITRY  
QETFNVIERC PKPVIAAVHGGCIGGGVDLVTACDIRYC  
AQDAFFQVKEVDVGLAADVGT LQRLPKVIGNQSLVNE  
LAFTARKMMADEALGSGLVSRVFPDKEVMLDAALALA  
AEISSKSPVAVQSTKVNLLYSRDHSAESLNYVASWN  
MSMLQTQDLVKSQATTENKELKTVTFSKL

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

**Theoretical MW (kDa):** 62.2

**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:** 1891

**Gene Symbol:** ECH1

**Gene Alias:** HPXEL

**Gene Summary:** This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq]