



# 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

### PDSS1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00023590-P01

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

**Product Description:** Human PDSS1 full-length ORF (AAH63635.1, 1 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MASRWWRWRRGCSWKPAARSPGPGSPGRAVPLGP  
SAAAEVRAQVHRRKGLDLSQIPYINLVKHLTSACPNC  
RISRFHHTTPDSKTHSGEKYTDPFKLGWRDLKGLYEDI  
RKELLISTSELKEMSEYYFDGKKGKAFRPIIVALMARACN  
IHHNNSRHHVQASQRAIALIAEMIHTASLVHDDVIDDASS  
RRGKHTVNIWGEKKAVLAGDLILSAASIALARIGNTTV  
ISILTQVIEDLVRGEFLQLGSKENENERFAHYLEKTFKK  
TASLIANSCKAVFPRNECYDHATVQFAWRCRQSSTVC  
TTE

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

**Theoretical MW (kDa):** 60.7

**Interspecies Antigen Sequence:** Mouse (76); Rat (77)

**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:** 23590

**Gene Symbol:** PDSS1

**Gene Alias:** COQ1, DPS, MGC70953, RP13-16H11.3, SPS, TPRT, TPT, hDPS1

**Gene Summary:** The protein encoded by this gene is an enzyme that elongates the prenyl side-chain of coenzyme Q, or ubiquinone, one of the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-polyprenyl pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side chains, the first step in coenzyme Q biosynthesis. The protein may be peripherally associated with the inner mitochondrial membrane, though no transit peptide has been definitively identified to date. Defects in this gene are a cause of coenzyme Q10 deficiency. [provided by RefSeq]