



# 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

### DKC1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001736-P01

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

**Product Description:** Human DKC1 full-length ORF ( NP\_001354.1, 1 a.a. - 514 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MADAEVIILPKKHKKKKKERKSLPEEDVAEIQHAEFLIK  
PESKVAKLDTSQWPLLLKNFDKLNVRTTHYTPLACGS  
NPLKREIGDYIRTGFINDKPSNPSSHEVVAWIRILRV  
EKTGHSGLDLPKVTGCLIVCIERATRLVKSQQSAGKEY  
VGIVRLHNAIEGGTQLSRALETLTGALFQRPLIAAVKR  
QLRVRTIYESKMIEDPERRLGIFWVSCEAGTYIRTLCV  
HLGLLLVGGQMQLRRVRSVGMSEKDHMVTMHDVL  
DAQWLYDNHKDESYLRRVVYPLEKLLTSHKRLVMKDS  
AVNAICYGAKIMLPGLRYEDGIEVNQEIVVITTKGEAIC  
MAIALMTTAVISTCDHGIVAKIKRVIMERDTPRKGWLG  
PKASQKLMIKQGLLDKHGKPTDSTPATWKQEYVDYS  
ESAKKEVVAEVVKAPQVVAEAAKAKRKRESESESE  
TPPAAPQLIKKEKKKSKDKKAKAGLESGAEPGDGDS  
DTTKKKKKKKKAKEVELVSE

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

**Theoretical MW (kDa):** 84.1

**Interspecies Antigen Sequence:** Mouse (91); Rat (83)

**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:** 1736

**Gene Symbol:** DKC1

**Gene Alias:** CBF5, DKC, FLJ97620, NAP57, NOLA4, XAP101

**Gene Summary:** This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the NOLA1, 2 and 3 proteins. The protein encoded by this gene and the three NOLA proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These four H/ACA snoRNP proteins are also components of the telomerase complex. The protein encoded by this gene is related to the *Saccharomyces cerevisiae* Cbf5p and *Drosophila melanogaster* Nop60B proteins. The gene lies in a tail-to-tail orientation with the palmitoylated erythrocyte membrane protein gene and is transcribed in a telomere to centromere direction. Both nucleotide substitutions and single trinucleotide repeat polymorphisms have been found in this gene. Mutations in this gene cause X-linked dyskeratosis congenita, a disease resulting in reticulate skin pigmentation, mucosal leukoplakia, nail dystrophy, and progressive bone marrow failure in most cases. Mutations in this gene also cause Hoyeraal-Hreidarsson syndrome, which is a more severe form of dyskeratosis congenita. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]