



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### 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

### RPS3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00006188-P01

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

**Product Description:** Human RPS3 full-length ORF (AAH03137, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAVQISKKRKFVADGIFKAELNEFLTRELAEDGYSGVE  
VRVTPTRTEIILATRTQNVLGEKGRRIRELTAVVQKRF  
GFPEGSVELYAEKVATRGLCAIAQAESLRYKLLGGLAV  
RRACYGVLRFIMESGAKGCEVVVSGKLRGQRAKSMK  
FVDGLMIHSGDPVNYVYVDTAVRHVLLRQGVLGIVKIM  
LPWDPTGKIGPKKPLPDHVSIVEPKDEILPTTPISEQKG  
GKPEPPAMPQPVPTA

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

**Theoretical MW (kDa):** 52.47

**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:** 6188

**Gene Symbol:** RPS3

**Gene Alias:** FLJ26283, FLJ27450, MGC87870

**Gene Summary:** Ribosomes, the organelles that

catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit, where it forms part of the domain where translation is initiated. The protein belongs to the S3P family of ribosomal proteins. Studies of the mouse and rat proteins have demonstrated that the protein has an extraribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. The protein appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. This gene is co-transcribed with the small nucleolar RNA genes U15A and U15B, which are located in its first and fifth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]