



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### RPSA (Human) Recombinant Protein (P01)

**Catalog Number:** H00003921-P01

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

**Product Description:** Human RPSA full-length ORF (AAH13827, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSGALDVLQMKEEDVLKFLAAGTHLGGTNLDFQMEQ  
YIYKRKSDGIYIINLKRTWEKLLLAARAIVAIENPADVSVI  
SSRNTGQRAVLKFAAATGATPIAGRFTPGTFTNQIQA  
FREPRLLVVTDPRAHQPLTEASYVNLPTIALCNTDSP  
LRYVDIAIPCNNKGAHSVGLMWWMLAREVLRMRGTIS  
REHPWEVMPDLYFYRDPEEIEKEEQAAA EKAVTKEEF  
QGEWTAPAPEFTATQPEVADWSEGQVQVPSVPIQQFP  
TEDWSAQPATDWSAAPTAAQATEWVGATTDWS

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

**Theoretical MW (kDa):** 58.19

**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:** 3921

**Gene Symbol:** RPSA

**Gene Alias:** 37LRP, 67LR, LAMBR, LAMR1, LRP, p40

**Gene Summary:** Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Many of the effects of laminin are mediated through interactions with cell surface receptors. These receptors include members of the integrin family, as well as non-integrin laminin-binding proteins. This gene encodes a high-affinity, non-integrin family, laminin receptor 1. This receptor has been variously called 67 kD laminin receptor, 37 kD laminin receptor precursor (37LRP) and p40 ribosome-associated protein. The amino acid sequence of laminin receptor 1 is highly conserved through evolution, suggesting a key biological function. It has been observed that the level of the laminin receptor transcript is higher in colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype. Multiple copies of this gene exist, however, most of them are pseudogenes thought to have arisen from retropositional events. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]