



# SZABO SCANDIC

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## 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

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## RELM-gamma, His Tag, mouse recombinant (rmRELM-g-His)

**Catalog No:** 94988  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Resistin-like gamma, RELMgamma, RELM-?, RELM-g

### Background

RELM-gamma is a novel member of the resistin-like molecule/found in inflammatory zone (RELM/FIZZ) family in mice and rats. Microarray and real-time RT-PCR experiments revealed a repression of RELMgamma mRNA in nasal respiratory epithelium of cigarette smoke-exposed versus untreated rats. The analysis of the physiological tissue-specific expression revealed highest expression in hematopoietic tissues, suggesting a cytokine-like role for RELM-gamma. RELM-gamma-mRNA is detectable in bone marrow, spleen, and lung as well as in peripheral blood granulocytes. Promyelocytic HL60 cells transfected with a RELM-gamma expression plasmid have an increased proliferation rate compared to mock-transfected cells and display an altered response to retinoic acid-induced granulocytic differentiation. Taken together, these data provide the first experimental evidence that RELM-gamma is a secreted molecule with a restricted expression pattern that may play a role in promyelocytic differentiation.

### Description

RELM-gamma mouse recombinant is a His -tagged fusion protein having a molecular weight of 11 kDa containing 86 amino acid residues of RELM-gamma mouse and 16 additional amino acid residues His Tag.

### Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05 M acetate buffer pH 4.

### Solubility

It is recommended to add 0.1 M acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

### Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C.

### Purity

Greater than 95% as determined by SDS-PAGE.

### Amino Acid Sequence

MRGSHHHHHH GMASHMTLES IVEKKVKELL ANRDDCPSTV TKTFSCSIT ASGRLASCPS GMTVTGCACG YGCGSWDIRD  
GNTCHCQCST MDWATARCCQ LA

### Applications

WB\*ELISA



**Usage**

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