



## Product Datasheet

<b>Product Name</b>	RELM-Gamma Mouse Recombinant
<b>Cata No</b>	CB500357
<b>Source</b>	<i>Escherichia Coli.</i> .
<b>Synonyms</b>	Resistin-like gamma, RELMgamma,RELM- $\gamma$ , RELM-g.

### Description

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.

RELM-gamma Mouse Recombinant is a His-Tagged Fusion Protein having a molecular weight of 11 kDa containing 86 amino acid residues of the RELM-gamma Mouse and 16 additional amino acid

residues – HisTag (underlined). MRGSHHHHHH  
GMASHMTLES IVEKKVKELL ANRDDCPSTV  
TKTFSCSIT ASGRLASCPS GMTVTGCACG  
YCGGSWDIRD GNTCHCQCST MDWATARCCQ  
LA

### Purity

Greater than 95% as determined by SDS-PAGE

### Formulation

Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4

### 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.

### Applications

Western blotting, ELISA

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