

## Mouse Resistin Like gamma - Purified

<b>Catalog No.:</b>	AR10430PU-S
<b>Quantity:</b>	5 µg
<b>Concentration:</b>	0.5 mg/ml (prior to lyophil.)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q7TM98</a>
<b>NCBI:</b>	<a href="#">NP_853627.1</a>
<b>GeneID:</b>	<a href="#">245195</a>
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Sterile filtered lyophilized protein <b>Purity:</b> > 95.0% as determined by SDS-PAGE. <b>Purification Method:</b> Two-step procedure using size exclusion chromatography before and after refolding. <b>Buffer System:</b> 0.05M Acetate buffer pH 4 <b>Reconstitution:</b> Add 0.2 ml of 0.1M Acetate buffer pH-4 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 reconstitution of this antigen is limited.
<b>Applications:</b>	<b>ELISA.</b> <b>Western blotting.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Recombinant Mouse RELM-gamma is a <i>His-Tagged</i> 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).

**Specificity:** The amino acid sequence of the RELM-g Mouse recombinant is 100% homologous to the amino acid sequence of the RELM-g Mouse.

**AA Sequence:**

MRGSHHHHHH GMASHM TLES IVEKKVKELL ANRDDCPSTV TKTFSCTSIT ASGRLASCPS GMTVTGCACG  
YGCGSWDIRD GNTCHCQCST MDWATARCCQ LA

**Molecular weight:** 11 kDa

**Storage:**

Prior to reconstitution store at -20°C.

Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.