9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RELM g Mouse

RELM-Gamma Mouse Recombinant
CYK0503

Product Overview

Name	RELM g Mouse
Description	
RELM-Gamma Mouse Recombinant	
Accession (Primary)	Q7TM98
Synonyms	
Resistin-like gamma, RELMgamma,RELM-γ, RELM-g.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA).	
Stability	
Lyophilized RELM g although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution RELM g Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	

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Amino acid sequence

MEGTLESIVE KKVKELLANR DDCPSTVTKT FSCTSITASG RLASCPSGMT VTGCACGYGC GSWDIRDGNT CHCQCSTMDW ATARCCQLA.

Solubility

It is recommended to reconstitute the lyophilized RELM g in sterile 18MΩ-cm H 2 O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

RELM g Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q7TM98)