

RELM γ , murine recombinant

CATALOG #:	7196-10	10 μ g
	7196-50	50 μ g
ALTERNATE NAMES:	Resistin-like gamma	
SOURCE:	E coli	
PURITY:	\geq 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	9.2 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/ μ g of protein (<1EU/ μ g).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION:

RELM γ belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The other three known members of this family; Resistin, RELM α , and RELM β , are 85-94 amino acid secreted proteins sharing a conserved C-terminal domain characterized by 10 cysteine residues with a unique spacing motif of C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X-C-X9-C-C. RELM γ is most closely related to RELM α , but is distinctly secreted to bone marrow, spleen, lung, and in peripheral blood granulocytes. The physiological role of RELM γ may include the promotion or regulation of promyelocytic differentiation, although the specific molecular targets of RELM γ have not been identified. Recombinant murine RELM γ is a 9.2 kDa monomeric protein containing 88 amino acid residues.

AMINO ACID SEQUENCE:

EGTLESIVEK KVKELLANRD DCPSTVTKTF SCTSITASGR LASCPSGMTV
TGCACGYGCG SWDIRDGNTC HCQCSTMDWA TARCCQLA

RELATED PRODUCTS:

- RELM-alpha, murine recombinant (**Cat. No. 4631-25, -100, -1000**)
- RELM-beta, murine recombinant (**Cat. No. 4655-25, -100, -1000**)
- RELM-b, human recombinant (**Cat. No. 4654-25, -100, -1000**)
- RELM-alpha Antibody (**Cat. No. 5631-100**)
- RELM-beta Antibody (**Cat. No. 5654-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.