

Recombinant Murine RELM α

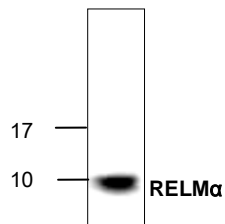
CATALOG #:	4631-25	25 μ g
	4631-100	100 μ g
	4631-1000	1 mg
	4631-10mg	10 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per μ g of RELM α	
MOL. WEIGHT:	10 kDa	

FORM:
Sterile filtered and lyophilized from 10 mM Tris, pH 7.5 + 25 mM NaCl.

RECONSTITUTION:
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 μ g/ μ l. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:
The lyophilized protein is best-stored desiccated below 0°C. Reconstituted RELM α should be stored at working aliquots at -20°C.

DESCRIPTION:
RELM-alpha belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The three known members of this family; Resistin, RELM-alpha and RELM-beta 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-alpha and Resistin are secreted exclusively by adipocytes while RELM-beta is expressed in the epithelium of the colon and small bowel. The physiological role and molecular targets of RELM-alpha are still unknown. Recombinant murine RELM-alpha is a 10.0 kDa monomeric protein containing 88 amino acid residues.



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Purity of recombinant murine RELM α (2 μ g) was analyzed by reduced SDS-PAGE electrophoresis.

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