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

RELM b Mouse

RELM-Beta Mouse Recombinant
CYK0502

Product Overview

Name	RELM b Mouse

Description

RELM-Beta Mouse Recombinant

Accession (Primary)	Q99P86

Synonyms

Resistin-like beta, RELM beta, Cysteine-rich secreted protein FIZZ2, Colon and small intestine-specific cysteine-rich protein, Cysteine-rich secreted protein A12-alpha-like 1, Colon carcinoma-related gene protein, RELM-b, XCP2, HXCP2.

Introduction

RELM-beta (Resistin-Like Molecule-beta) is a member of a recently identified family of secreted proteins containing a conserved cystein-rich C-terminus. The RELM family consists of resistin (also called FIZZ3), RELM-alfa (FIZZ1), RELM-beta (FIZZ2) and RELM-gamma. Only resisistin and RELM-beta were found in humans whereas all four RELM family members were identified in rodents. RELM-beta appears to be produced as a homodimer exclusively by intestinal goblet cells and can be found in high quantities in stool. Remarkably, stool of germ-free mice displaying sterile intestinal tract does not contain RELM-beta until bacterial colonization takes place after pathogen-free mice entered natural environment. Some, but not all, colon carcinoma cell lines secrete RELM-beta into the cell culture supernatant. The physiological function of RELM-beta is not known. High doses of recombinant RELM-beta showed hyperglycemic effects including lowered glucose disposal and increased hepatic glucose production in mice.

Source

Escherichia Coli.

Physical Appearance

Brownish lyophilized powder.

Formulation

The protein was lyophilized from a concentrated (1mg/ml) protein solution containing 10mM Acetic Acid with 2:1 mannitol to protein.

Stability

Lyophilized RETNLB is stable at -20°C. After reconstitution the protein should be kept at all times at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

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Purity

Greater than 97% as determined by SDS-PAGE.

Amino acid sequence

MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP AGMVVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA.

Solubility

Reconstitute at 0.1 mg/ml with sterile pyrogen free water.

Precautions

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

Target Information: (Q99P86)