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RELM b Human

RELM-Beta Human Recombinant
CYK0500

Product Overview

Name	RELM b Human
Description	
RELM-Beta Human Recombinant	
Accession (Primary)	Q9BQ08
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	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
RELM-b was lyophilized from a solution containing 0.1% Trifluoroacetic Acid (TFA).	
Stability	
Lyophilized RELM-b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution RELM-b Human Recombinant 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-	

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thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MQCSLDSVMD KKIKDVLNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTARCCHLT.

Solubility

It is recommended to reconstitute the lyophilized RELM-b in sterile 0.1% TFA not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (Q9BQ08)