9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1725: RELM b Recombinant Protein

Alternative Name :	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.

Description

Source : Escherichia Coli. RELM-b Human Recombinant produced in E.Coli is a disulfide-linked homodimer, non-glycosylated, polypeptide chain containing 2 x 89 amino acids and having a total molecular mass of 19kDa. RELM-b is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	RELM-b was lyophilized from a solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage condition :	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-thaw cycles.
Amino Acid :	MQCSLDSVMD KKIKDVLNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTARCCHLT.

Application Note

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