



RELM beta Recombinant Protein

CATALOG NUMBER: 40-102

Specifications

SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	MQCSLDSVMD KKI KDV LNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTAR CCHLT
TESTED APPLICATIONS:	

Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per ug (1EU/ug).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized RELM beta recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted RELM beta is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing RELM beta recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Additional Info

ALTERNATE NAMES:	XCP2, FIZZ1, FIZZ2, HXCP2, RELMb, RELMbeta, RELM-beta, CCRG, RETNL2, UNQ408/PRO770, Resistin-like beta, Colon and small intestine-specific cysteine-rich protein
ACCESSION NO.:	NP_115968.1
PROTEIN GI NO.:	14211897

Background

Human RELM-beta is a 19.0 kDa disulfide-linked homodimeric protein expressed in the epithelium of the colon and small bowel. The biological functions of RELM-beta and its molecular targets, are not fully known but, it has been suggested that it plays a regulatory role during inflammation and may also act to establish links among adipose tissue, the intestine and the liver. Interestingly the molecular structure of RELM-beta is highly homologous to that of the adipose-derived cytokine Resistin and RELM-alpha. These proteins share a highly conserved C-terminal domain, characterized by 10 cysteine residues with a unique spacing motif of C-X₁-C-X₈-C-X-C-X₃-C-X₁₀-C-X-C-X-C-X₉-C-C. Recombinant Human RELM-beta is a disulfide-linked homodimer with a total molecular weight of 19.0 kDa, consisting of two 89 amino acid residue chains.

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