



RELM beta Recombinant Protein

CATALOG NUMBER: 40-485

Specifications

SPECIES:	Murine
SOURCE SPECIES:	E. coli
SEQUENCE:	MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP AGMVVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA
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:	Xcp3, Fizz2, Relmb, RELMbeta, 9030012B21Rik, Resistin-like beta, Cysteine-rich secreted protein A12-beta
ACCESSION NO.:	NP_076370.3
PROTEIN GI NO.:	225543345

Background

RELM β (Resistin-like molecule beta/FIZZ2) is an 18 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 (Rajala, M. et al. J. Clin. Invest. Vol. 111, 225-230 (2003)). Interestingly the molecular structure of RELM beta is highly homologous to that of the adipose-derived cytokine Resistin and RELM beta. These proteins share a highly 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. Recombinant Murine RELM beta is an 18.0 kDa, consisting of two 83 amino acid residue chains.

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