



Recombinant Mouse RELM beta

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-082S
Size:	5 µg
Lot. No.:	According to product label

Sequence

MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP
AGMVVTGCAC GYCGSWSWDIR NGNTCHCQCS VMDWASARCC RMA

Database References

Protein RefSeq:	NP_076370
Uniprot ID:	Q99P86
mRNA RefSeq:	NM_023881

Scientific Background

Gene-ID (NCBI):	57263
Synonyms:	Retnlb; Xcp3; Fizz2; Relmb; RELMbeta; 9030012B21Rik

RELM β (Resistin-like molecule β /FIZZ2) is an 18 kDa disulfide-linked homodimeric protein expressed in the epithelium of the colon and small bowel. The biological functions of RELM β , 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 β is highly homologous to that of the adipose-derived cytokine Resistin and RELM β . 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 β is an 18.0 kDa, consisting of two 83 amino acid residue chains.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Structural Information	homodimer
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	83
MW:	18 kDa

Biological Activity: Data not available.



AVOID REPEATED FREEZE AND THAW CYCLES!