

RELMbeta Murine E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG20116005	(5 µg)
Species: Murine	RBG20116025	(25 µg)
Other names: Resistin-like ?, Cysteine-rich secreted protein FIZZ2	RBG20116100	(100 µg)

Description

RELMbeta (Resistin-like molecule beta/FIZZ2) is a disulfide-linked, homodimeric protein expressed in the epithelium of the colon and small bowel. The biological functions of RELMbeta, 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 RELMbeta is highly homologous to that of the adipose-derived cytokines, resistin and RELMalpha. 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 RELMbeta is an 18.0 kDa protein, consisting of two identical 83 amino acid polypeptide chains linked by a single disulfide bond.

Research topic

Immune Response, Infection and Inflammation

Amino Acid Sequence

MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP AGMVVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA

Source

E. coli

Purity

98%

Biological Activity

Data not available.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

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