

Recombinant Mouse Resistin Like Alpha, Flag-tagged

Cat. No. Retnla-4156M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RELM-alpha Mouse Recombinant is manufactured with a signal sequence of phage fd (20aa) and C-terminal fusion of flagTag (10aa). The RELM-alpha Flag-Tagged Fusion Protein is a 13.3 kDa protein containing 91 amino acid residues with 30 additional amino acid residues - signal sequence of phage fd, flagTag (underlined). MKKLLFAIPL VVPFYSHSTM VNTDETIEII VENKVKELLA NPANYPSTVT TLSCTSVKT MNRWASCPAG MTATGCACGF ACGSWEIQSG DTCNCLCLLV DWTTARCCQL SLEDYKDDDD K.
Species	Mouse
Source	Mouse
Description	Bronchoalveolar lavage fluid from mice with experimentally induced allergic pulmonary inflammation contains a novel 9.4 kDa cysteine-rich secreted protein, RELM-alpha (FIZZ1, found in inflammatory zone). RELM-alpha is a secreted protein that has a restricted tissue distribution with highest levels in adipose tissue stroma. Murine RELM-alpha (FIZZ1) is the founding member of a new gene family including two other murine genes expressed, respectively, in intestinal crypt epithelium (RELM-beta) and white adipose tissue (Resistin), and two related human genes.
Form	Sterile filtered and lyophilized from 0.5 mg/ml in 5mM Tris pH 7.5, 25mM NaCl.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Specificity	The amino acid sequence of the RELM-alpha Mouse recombinant is 100%

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	homologous to the amino acid sequence of the RELM-alpha Mouse.
Purification Method	Two-step procedure using size exclusion chromatography before and after refolding.
Applications	Western blotting, ELISA
Physical Appearance	Sterile filtered colorless solution.
Solubility	Add 0.2 ml of deionized H2O and let the lyophilized pellet dissolve completely.
Storage	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C.

GENE INFORMATION

Gene Name	Retnla resistin like alpha [Mus musculus]
Official Symbol	Retnla
Synonyms	Retnla; resistin-like alpha; HIMF; Xcp2; Fizz1; RELMa; Fizz-1; RELMalpha; RELM-alpha; 1810019L16Rik; found in inflammatory zone 1; hypoxia-induced mitogenic factor; cysteine-rich secreted protein FIZZ1; cysteine-rich secreted protein A12-gamma; parasite-induced macrophage novel gene 1 protein
Gene ID	57262
mRNA Refseq	NM_020509
Protein Refseq	NP_065255

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UniProt ID	Q9EP95
Chromosome Location	16 B5; 16 32.6 cM
Function	hormone activity

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